

BADGER STATE

Smoke Signals

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 21st Year • Single Copy: \$1

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Vol. 21 No. 6 - 246th Consecutive Monthly Issue - Baraboo, Wisconsin - June 1990

RiverLAN Packet Radio Conference Held April 14



Officials attending the RiverLAN Packet Radio Conference in La Crosse were, left to right, Jim Boos, WB9YSG, Emergency Coordinator, Milwaukee National Weather Service Office; John Leekley, WB9SMM, EC, Milwaukee County; Fred Wendt, W9ZAG, WI Section Emergency Coordinator; and Steve Thompson, of the National Weather Service. See pages 14 and 15.

Ham Radio Magazine Sold

Ham Radio magazine and its associated Ham Radio Bookstore have been sold to CQ Communications, Inc., publishers of CQ magazine. The announcement was made at the Dayton HamVention® by T.H. "Skip" Tenney, W1NLB, publisher of Ham Radio, and Dick Ross, K2MGA, publisher of CQ magazine.

The June issue of Ham Radio will be its last; existing subscriptions to Ham Radio will be fulfilled by CQ.

Moving to CQ Communications are J. Craig Clark, NX1G, now assistant publisher at Ham Radio, and Terry Northrup, KA1-STC, its editor. Clark, according to a joint press release, will be involved in projects including "the development of the Bookstore operation." Northrup will be a book editor.

The effects of this buy-out could be far-reaching. For instance, the editorial makeup of the three remaining major Amateur Radio magazines could change, as writers scramble for new outlets, and the magazines themselves ponder what - if any - editorial gap has been left by the demise of Ham Radio.

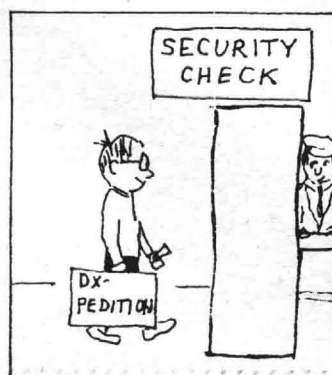
And advertisers, with one less magazine to buy space in each month, will have new options in the apportioning of their advertising budgets.

- The ARRL Letter, 05/04/90

OFFICIAL RESULTS 1990 Wisconsin QSO Party Listings Begin on Page 6

**Sponsored by the West Allis
Radio Amateur Club**

ELMER



by Rich Regent, K9GDF



BADGER STATE SMOKE SIGNALS

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Swapfests and other Social Events

JUNE 2 AND 3: S.M.U.G. presents the 1990 Sinclair Computer Exposition at the Waukesha (WI) Holiday Inn at Highways 18 and I-94. There will be seminars, door prizes, a swap shop, also software, peripherals, hardware, and lots of other stuff. There will be a banquet Friday night, June 1. A SMUG meeting will be held Saturday night, June 2. Advance tickets: 1 day, \$4.00; both days, \$7.00; banquet, \$16.00; swap table (6 ft. by 30"), \$25.00 (including 2-day badge). Prices at door: 1 day, \$5.00; both days, \$9.00. At door prices for banquet and tables are same as advance prices. Limited seating for banquet, and limited table space for swap. More information from Bill Heberlein, 5052 N. 91st St., Milwaukee, WI 53225, or call Neal Schultz between 7 and 10 p.m. at (414) 353-4522. Mail reservations to Expo Reservations, P.O. Box 101, Butler, WI 53007.

JUNE 8-10, 1990. ARRL National Convention, Kansas City, MO. See "QST" for details.

SATURDAY, JUNE 17, 1990. The Central Wisconsin Radio Amateurs will hold their annual Swapfest at the University Center on the UW-Stevens Point Campus in Stevens Point, WI. Morning and afternoon ARRL/VEC exam sessions, Seminars, tables and power available for commercial vendors. Contact: Art Wysocki, N9BCA, 3356 April Lane, Stevens Point, WI 54481. (see flyer ad elsewhere in this issue for more details on this fine event.)

SATURDAY, JULY 7, 1990. South Milwaukee ARC Swapfest at the American Legion Park, Shepard Ave., Oak Creek, WI. Contact: SMARC, P.O. Box

102, Milwaukee, WI 53172. (watch for flyer ad with map and more details in the next issue for this fine summer swapfest.)

SUNDAY, JULY 8, 1990. Downers Grove, IL. Contact: Dupage ARC, Ed Weinstein, 7511 Walnut Ave., Woodridge, IL 60517. (708) 985-0527

SATURDAY, JULY 14, 1990. Eau Claire Hamfest and Computer Expo., Sponsored by the Eau Claire ARC. 4-H buildings on Fairfax St., behind Highland Mall. Packet meeting at 10:30 a.m. with live demonstration. 8' tables \$3.00, Dealers \$5.00. Amateur license test given from 9:00 a.m. to 1:00 p.m., all walk-ins. Contact Liz Searing, 1129 McKinley Road, Eau Claire, WI 54701. (715) 834-1303. (See ad elsewhere in this issue for more information.)

JULY 28-31, 1990. EAA Fly-in & Convention at Oshkosh, WI. The Fox cities ARC will operate W9ZL, a special event station. The club will operate in the general portions of the 10, 15, 20 and 40 meter bands, primarily during the daylight hours. Plans are to operate on packet, cw, phone, rtty and atv modes. QSL with 8x10 S.A.S.E. to Wayne Pennings, WD9FLJ, 913 N. Mason St Appleton, WI. All QSLs must include contact numbers.

SUNDAY, AUGUST 5, 1990. Fox River Radio League, Hamfest at Sugar Grove (5 miles NW of Aurora), IL. Contact Fox River Radi League, P.O. Box 443, Aurora, IL 60507.

SATURDAY, AUGUST 11, 1990. Rhinelander WI Swapfest, at the Gigantic Rhinelander Ice Arena. Contact: Leonard Bauman, K9RMN, 804 Lincoln St., Rhinelander WI 54501. (715) 369-3296 or 369-5564.

SUNDAY, SEPTEMBER 9, 1990. BARS 6th annual Ham/Computerfest at the inwood Recreation Center, 3000 W. Jefferson St., Joliet, IL. Contact: BARS Hotline, (708) 759-7005.

SATURDAY, OCTOBER 6, 1990. FALLFEST 90 sponsored by the Green Bay Mike & Key Club., at the Green Bay Community Center. Contact Green Bay Mike & Key club, P.O. Box 13351, Green Bay, WI 54307. (414)-432-3491.

The TEST POINT



The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area. (Underlined are added or changed since last months BSSS.)

June 6, 1990	Milwaukee, WI (MRAC)
June 16, 1990	Dubuque, IA
June 17, 1990	Stevens Point, WI
July 13-14, 1990	Eau Claire, WI
September 13, 1990	Eau Claire, WI
September 15, 1990	Milwaukee, WI (BE)
September 15, 1990	Dubuque, IA
October 20, 1990	Milwaukee, WI (BE)
November 3, 1990	Menomonie, WI
November 17, 1990	Milwaukee, WI (BE)
December 8, 1990	Dubuque, IA
December 15, 1990	Milwaukee, WI (BE)
Monthly, First Sat.	Racine, WI
(except January, July & August)	
Monthly, Last Sat.	Tomahawk, WI
(January thru October only)	
Monthly, Third Sat.	Loves Park, IL
Minnesota tests listed at end of column	

GENERAL RULES FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walkins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 25¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$4.95 payable to "ARRL/VEC".

The FCC now requires applicants to show their original Amateur license to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB - MRAC/VEC

1990 examination dates: June 6.

Tests are Wednesday evenings at 7:00 p.m. at Wauwatosa East High School, north 74th and Milwaukee Avenue. Enter through the southmost entrance on 74th Street. Go to room 256 on the 2nd floor. Please arrive promptly so testing can be completed before 10:00 p.m. Bring along your original license and three (3) good photocopies, plus two forms of identification, such as a driver's license, etc. A pen and \$4.75 for the exam fee is also required. WALKINS are welcome. To register in advance on a 15 cent U.S. post card, print the grade of license you are applying for, and your name, address, and telephone

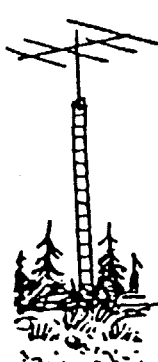
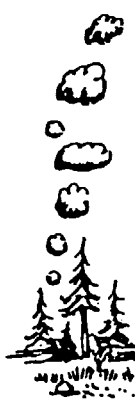
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ADDRESS CHANGES AND CORRECTIONS should be sent to Kenneth A. Ebner, address above.

EDITORIAL MATERIAL, PHOTOGRAPHS, FEATURE ARTICLES, AND EXCHANGE PAPERS should be sent to Jim Romelfanger, address above.

DISPLAY ADS or INQUIRIES REGARDING DISPLAY ADS may be directed to Harry Westlund or Kenneth Ebner, addresses above.

SUBSCRIPTIONS should be sent, with check or money order (do not send cash), to Jim Decker, address above.

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The opinions expressed in editorials, guest editorials, columns, articles, and letters are the opinions of the authors only, and do not, unless otherwise stated, express or imply agreement or endorsement by Badger State Smoke Signals, or by any other organization.

SUBSCRIPTIONS

1 year	(12 issues)	\$8.50
2 years	(24 issues)	\$16.00
3 years	(36 issues)	\$23.00

number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, 1737 North 116th Street, Wauwatosa, WI 53226, or to Ed Seruga, KE9JJ, 3840 South 43rd Street #21, Milwaukee, WI 53220. Telephones: (414) 774-6999 or (414) 545-6299.

BADGER EXAMINERS (BE) - MILWAUKEE
 Sep. 15, Oct. 2, Nov. 17, & Dec. 15.

Unless otherwise noted, examinations are administered beginning at 1:00 p.m. to 3:30 p.m. at St. Nicholas Church basement, 5345 N. Green Bay Ave. (2 1/2 blocks south of Silver Spring), Milwaukee. Walkins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

STEVENS POINT, WI (ARRL/VEC)
 June 17, 1990 (CWRA swapfest)
 University Center, UW-Stevens Point.
 Morning and afternoon sessions will be offered.
 Contact: Art Wysocki, N9BCA, 3356 April Lane,
 Stevens Point, WI. (715) 344-2984

MENOMONIE, WI (ARRL-VEC)
 November 3, 1990
 Credit Union Bldg., 444 S. Broadway,
 Menomonie, WI. Contact: Dr. T. King, WF9I, 108
 Shorewood Dr., Menomonie, WI 54751. (715) 235-
 5757.

EAU CLAIRE, WI
 Tests will be given on the following dates:
 July 13 and 14, and September 13, 1990
 The September examinations will be given at
 the Facilities Management Building, The Universi-
 ty of Wisconsin, Eau Claire Campus. The July
 Examinations will be held in conjunction with our
 Hamfest at the Eau Claire Junior Fair Grounds.

MADISON WI - ARRL/VEC
 All exams will be held at Fire Station No.
 2, 421 Grand Canyon Dr.

RACINE, WISCONSIN - ARRL/VEC
 Monthly - first Saturday, except January, July,
 and August.

Exams are given at the Red Cross Building,
 4521 Taylor Avenue, Racine. Walkins are permit-
 ted. Inquiries and registrations should be
 directed to William Firchow, Jr., NW9P, 1912 27th
 Street, Kenosha, WI 53140, telephone (414) 658-
 8390.

Tomahawk, WI
 Last Saturday of every month. Jan. thru Oct.
 Tomahawk Volunteer Examiners (ARRL/VEC).
 Tomahawk, WI. No pre-registration required, but
 appointment would be appreciated. Registration
 at 8:30 a.m. and testings starts at 9:00 a.m.
 For location or other information, inquire on
 145.43 MHz. repeater or contact: Greg Garner,
 WA9W, 4088 Highway 51, Harshaw, WI 54529.
 Telephone (715) 453-7096.

DUBUQUE, IOWA (ARRL/VEC)
 June 16, September 15, and December 8, 1990

Exams are at 9 a.m. in the Central Fire
 Station at 9th and Central in Dubuque. Use the
 basement entrance on 9th Street. Contact Mike
 Jozefowicz, NSOU, 2735 Hickory Hill, Dubuque,
 Iowa, telephone 319-582-8563. Talkins are on the
 147.84/24 and 147.63/03 repeaters.

(Thanks Art Evans, KA9KLZ)

Loves Park, IL
 Third Saturday of every month.
 Northern Illinois Volunteer Examiners (DeVry
 VEC). Held at North Suburban District Library,
 6340 North Second St. (Hwy. 251), Loves Park, IL.
 Contact: Dennis G. Eksten, W9SS, 5006 N. Second
 St., Loves Park, IL 61111. (815) 877-6768.

MINNESOTA TESTS
 For information for tests given in the
 Minnesota areas near Wisconsin, see last months
 issue of BSSS.

 This section of Badger State Smoke Signals
 is available to publicize your Volunteer Exami-
 neer Amateur Radio license examination schedules.
 Please send us your schedules of dates,
 times, and locations that you will be conducting
 examinations and we will include the information
 here. Be sure to include contact address and any
 other necessary requirements. Information should
 be sent to K9EN at the address shown on page 2.

Club Meetings

BADGER AMATEUR RADIO SOCIETY
 (W9YT - UNIVERSITY OF WISCONSIN - MADISON)
 Monthly while school in session - 2nd Wednesday -
 7:30 p.m. - B-314, Electrical Engineering
 Building.

CENTRAL WISCONSIN RADIO AMATEURS, LTD.
 (STEVENS POINT)
 Second Wednesday.

EAU CLAIRE AMATEUR RADIO CLUB
 2nd Tuesday - 7:30 p.m. - Parks and Recreation
 Bldg., Oxford and 1st Streets, Eau Claire. Hams,
 guests welcome. Travelers welcome on wide area
 club repeater K9UXP, 146.31/91.

FOUR LAKES AMATEUR RADIO CLUB (MADISON WI)
 First and third Tuesdays - 7:30 p.m. - Red Cross
 Bldg., 4860 Sheboygan Ave.

FOX CITIES AMATEUR RADIO CLUB
 Third Monday - 7:00 p.m. - Roosevelt Jr. High
 School, 318 E. Brewster St., Appleton. Info:
 (414) 766-3886.

GREATER MILWAUKEE DX ASSOCIATION
 Fourth Monday of the month at 7:30 p.m. Contact
 Jerry Scherkenbach, N9AW, at (414) 481-8831 for
 meeting location.

GREEN BAY MIKE AND KEY CLUB
 Second Thursday - Red Cross Bldg., corner Danz
 and Deckner, Green Bay.

GREEN FOX AMATEUR RADIO CLUB
 Third Monday - 7:30 p.m. - Green Lake Town Hall,
 int. of county hwy. K and N.

KETTLE MORaine RADIO AMATEURS
 Second Friday, 7:30 p.m. at the Waukesha County
 Technical College, Campus Science Building, Room
 102. Talk-in on the N9KS 147.39 repeater.

LAKESHORE RPTR. ASSN.
 Last Tuesday, Jan., Apr., Jul., & Oct., 7:30 p.m.
 Red Cross Bldg., 4521 Taylor Ave., Racine, WI.

MADISON AREA REPEATER ASSOCIATION
 1990 meeting dates: Mondays, September 10, &
 November 12.

MANITOWOC COUNTY RADIO AMATEURS
 Directors Meeting: First Wednesday.
 General meeting: Second Wednesday.
 Both meetings held at 7:30 p.m. in the basement,
 Manitowoc City Hall, 817 Franklin St., Manitowoc.

MENOMONEE FALLS AMATEUR RADIO CLUB
 Last Tuesday - Doors open 7:30 p.m., meeting
 begins 8:00 p.m. - Security Savings and Loan,
 Menomonee Falls. Amateurs and guests welcome.

MILWAUKEE RADIO AMATEURS CLUB
 Fourth Thursday - Wauwatosa Savings and Loan,
 7500 W. State St. (November on the third
 Thursday. No meetings in July, August and
 December.) Meetings begin at 7:00 pm.

NORTHERN WISCONSIN RADIO CLUB
 4th Tuesday - 7:30 p.m., Sept. through April.
 Peppermill Restaurant, Thunderbird Mall North,
 Menomonie, WI. Guests welcome.

NORTHWOODS ARC (RHINELANDER WI)
 Third Tuesday. Doors open at 7:00 p.m. Meeting
 at 7:30 p.m. South Park School, Rhinelander, WI.
 Tal-in on 146.93/.34. All interested visitors to
 the Northwoods are welcomed.

OZAUKEE RADIO CLUB
 Second Wednesday - 7:30 p.m. - Saukville Communi-
 ty Center.

QCWA - WISCONSIN CHAPTER #55
 Contact Robert Halbman, AJ9P, Treasurer, For
 information about meeting dates or joining QCWA
 Chapter #55. The Wisconsin Chapter holds Spring
 and Fall dinner meetings.

The QCWA spring meeting, banquet will be
 held June 2, 1990 at "The Club" 977 W. Scott St.,
 Fond Du Lac, WI. If you plan to attend this
 meeting & banquet, let Bob Halbman, AJ9P, know.
 The menu will consist of sliced turkey, and
 swiss steak, coleslaw, mashed potatoes, gravy,
 dressing, vegetable, relishes, macaroni salad,
 gelatin mold, roll, butter, and coffee, tea or
 milk. Serving will be family style.

The QCWA meeting will follow the noon
 banquet along with an auction after the meeting.
 There will be activities for the ladies.

The cost for the banquet will be \$11.00 per
 person. You may pay in advance to the Treasurer,
 QCWA Chapter 55, Robert Halbman, AJ9P, 1536
 Summit Ave., Beloit, WI 53511, or you may pay at
 the door.

QCWA - SOUTHEAST WISCONSIN CHAPTER #162
 Meets third Monday monthly, 7:30 p.m., Around the
 Clock Restaurant, 3012 Rapids Drive, Racine.
 (continued on page 19)

Wisconsin Nets Association Ltd.

WISCONSIN NETS

Net	WNA	Freq.	UTC	CDT	Manager
BWN	Yes	3984	1100	0600	KC9CJ
BEN	Yes	3985	1700	1200	WA9W
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	KA9FVX
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
6:30 Net	No	01/61	2330	1830	KA9OMC
Gr Bay	No	72/12	0145	2045	WB9NRK
			Thu	Wed	
RACES	No	3993.5	1715	1215	WC9AAG
			USB Tue and Thu		
RACES	No	3993.5	1300	0800	WA9OAY
			LSB Sunday		

Section Manager's

notes



Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221

Congratulations to newly appointed Emergency Coordinators AD9X, Dane County; NX9F, Dunn County; and KB9AKM, Iowa County.

W9UDX has successfully passed the EC Training and Certification Course.

Want to know more about emergency coordination for your county? Then, please write to Section Emergency Coordinator W9ZAG.

The Riverland ARC and Four Lakes ARC have renewed as ARRL Special Service Clubs. Info about ARRL club affiliation benefits is available from KA9FOZ.

July 1st is the start of my seventh year as Section Manager; thanks for all of your help and support.

Happy Fourth of July.

July 7th, South Milwaukee ARC outdoor swapfest, starts around 7 a.m. at American Legion Park, Shepard Avenue north of Ryan Road, Oak Creek.

July 14th, the Eau Claire Hamfest will be at the 4-H Buildings on Fairfax Street, featuring a packet meeting and walk-in exams.

Experimental Aircraft Association Special Event Station W9ZL will be operational in Oshkosh during daylight hours from July 28th through 31st.

If you would like to volunteer as a League official, let me know of your interests.

40 Meters May be in Trouble

Forty meters may be the first high frequency amateur band to be lost in upcoming World Administrative Radio Conferences. This possibility has been known in Amateur Radio inner circles for some time, but it came to public light at a recent meeting of the Amateur Radio Transmitting Society in Louisville, Kentucky.

Speaking was the state's ARRL Section Manager, John Thernes, WM4T, who openly admitted that the nature of the upcoming conferences places the future of 40 meters as an amateur allocation in doubt. In his remarks, Thernes, who is a top-gun world class DX operator, noted that there is considerable talk among the world's poorer nations concerning a drive to reallocate the 40 meter amateur allocation to commercial communications interests. WM4T also noted that shortwave broadcasting interests will be trying to have 40 meters re-designated as theirs for exclusive worldwide use.

Currently, shortwave is permitted only in ITU Regions 1 and 3, but the on-air propaganda aimed at this reallocation is already being heard on various broadcasts.

Unlike WARC's of the past, the upcoming

pair will have the Third World in the position to control huge voting blocks. This is to say that nations like Rwanda or Lesotho will have as much voting power as do the United States, Great Britain, France, or the Soviet Union.

If the emerging nations of the world band together to obtain major concessions from the rest of the world - and many of the African emerging nations have made this plan known - then even gaining total support of our FCC for the protection of U.S. Amateur Service could be of little or no consequence if the Third World decides that personal communications must go. Many of these nations equate private communications between their citizens and those of other nations with the ability to spy or organize opposition to overthrow regimes. In some of the more belligerent states, experimenting with personal radio can risk an immediate sentence of death, without appeal. As a result, not only does amateur radio have much to fear from a consolidation of these nations as a political entity, but all other forms of personal communications must be concerned as well.

- Westlink Report, 04/27/90

ARRL Comments in NTIA Study of Telecom Infrastructure

The National Telecommunications and Information Administration (NTIA) initiated a study into the domestic telecommunications infrastructure earlier this year. The NTIA Notice of Inquiry appeared in the January 9 Federal Register.

The objectives of NTIA's study are to: examine the significance of telecommunications as an element of infrastructure; consider the technological and marketplace trends that are determining the characteristics and capabilities of telecommunications in the U.S. and elsewhere; evaluate the ways in which telecom services and capabilities affect both the international competitiveness of U.S. business and the quality of life of U.S. citizens; and assess the role of regulatory and other government policies in promoting the development of an infrastructure that meets present and future national needs.

On March 19, the American Radio Relay League submitted comments on the NTIA inquiry. The League said that the role of Amateur Radio should be considered in any broad review of this nature, particularly with regard to:

- * Communications capabilities
- * Hands-on educational and outreach opportunities

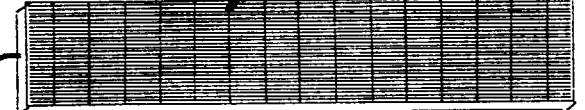
- * Public service communications
- * Unique opportunities for the promotion of international good will.

U.S. amateurs' ability to supply these services, however, have been affected to some extent by the imposition of restrictive federal, state, and local regulatory policies, forcing society either to provide the functions with higher-cost alternatives, or to do without them altogether.

The League also said that there is a natural tendency for government and private entities to take for granted the voluntary services provided by the amateur community - assuming that they will always be available - and noted that the services amateurs provide.... "will remain available only if public policy continues to recognize the modest requirements of radio amateurs for reasonable access to the radio spectrum, reasonable antenna installations, compatibility of home electronic devices with transmitting and sensitive receiving equipment located nearby, and relief from unjustified state and local regulation."

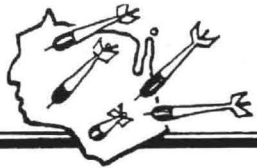
- The ARRL Letter, 04/19/90

Field Day Solar Power



The \$289.95 Bullet-Tested QRV Solar Power Supply keeps your repeater on the air 'round the clock or powers your 100w HF station 60 hrs a month. Control circuit speeds charge, protects gel cells & sealed batteries. Fully assembled. QRV portable. Easily expanded.

Add \$10 S&H Info \$1
AntennasWest
(801)373-8425 Box 50062-BS Provo UT 84605



HERE and THERE

FCC ISSUED CALL SIGN UPDATE: The following is a list of most recently issued FCC call signs (April 1):

Dist	Group A Extra	Group B Adv	Group C Tec/Gen	Group D Novice
0	AA0AJ	KF0JN	N0LSP	KB0GHU
1	WE1Q	KC1UD	N1HLZ	KA1VKH
2	WX2N	KE2SX	N2KJN	KB2JUB
3	NY3Y	KD3RQ	N3HYU	KA3WAH
4	AB4UP	KN4GX	N4YOL	KC4PQR
5	AA5RC	KI5EG	N5QFT	KB5MDV
6	AA6UY	KK6IS	N6YJC	KC6JXO
7	AA7DZ	KG7CC	N7ONS	KB7KFO
8	AA8AM	KF8FF	N8MBD	KB8JMZ
9	WQ9W	KE9VU	N9JLU	KB9EJF
GU	KH2M	AH2CG	KH2EI	WH2AMK
HI	**	AH6KI	NH6WH	WH6CHD
AK	**	AL7LY	NL7TT	WL7BXL
USVI	NP2F	KP2BT	NP2DT	WP2AHB
PR	**	KP4QQ	WP4XR	WP4IVI

** indicates that all 2 x 1 call signs have been assigned in those areas.

The N-prefixed Group C (1 x 3) call-sign blocks for the fourth and sixth call districts have nearly all been assigned. After N4ZZZ and N6ZZZ have been issued, FCC will begin assigning calls from the Group D (2 x 3) call-sign block.

- The ARRL Letter, 04/19/90
:-----:

PETITION SUPPORTS AM USERS: In the mid-1980s, the FCC changed its rules regarding transmitter power to 1500 watts PEP output. Noting that DSB AM would thereby be limited to half that power (in effect, a reduction), FCC grandfathered then-existing power limitations for AM until June 2, 1990.

ARRL has now asked, in a petition for rule making dated April 2, that that grandfathering be made permanent. This is in keeping with the League's overall position that no FCC rules change should result in any loss of operating privileges already earned.

"Interest in AM operation," the petition states, "has not changed dramatically in recent years, and certainly has not de-

clined. AM operators, who constitute a relatively small minority of amateurs, voluntarily limit their operations to spot frequencies or to narrow segments of the radiotelephone subbands; this reduces the potential for interference to users of other modes in the crowded high frequency bands."

The League points out that the FCC's original assumption in a short-term grandfathering - that AM activity would decline - has not come about. "There is still in the Amateur Radio Service a small but significant number of amateurs who enjoy the use and development of AM DSB operation," the petition points out. "The League firmly believes that the privileges earned by these amateurs should not be reduced, absent a compelling justification for the reduction of the privileges."

The League has requested an extension of the cutoff date while the matter is considered.

- The ARRL Letter, 05/04/90
:-----:

SAREX ON HOLD: The launch of shuttle STS-35 was aborted May 15, and postponed until month's end, at the earliest. STS-35 will carry WA4SIR and the SAREX (Shuttle Amateur Radio Experiment).

- The ARRL Letter, 05/18/90
:-----:

UNIDEN ABANDONS HAM MARKET: Uniden, the giant Japanese electronics manufacturer, has decided to give up its share of the U.S. Amateur Radio market, and sell its remaining stock of transceivers to Amateur Electronic Supply, the ham radio distributor. Any "refurbs," remaining and future, will be turned over to the National Amateur Radio Association, for distribution.

- Excerpted from
Westlink Report, 05/11/90
:-----:

REMINDER: Your editor still does not have a telephone, and will most likely not have one for another year or so. Also, several have asked if I am on packet; the answer (unfortunately) is no, although that MAY change in the next few months. When (if) either situation changes, we'll let you know here in BSSS. It's not easy to edit a paper without a telephone, but at this time that's the way it is.

- K9ZZ

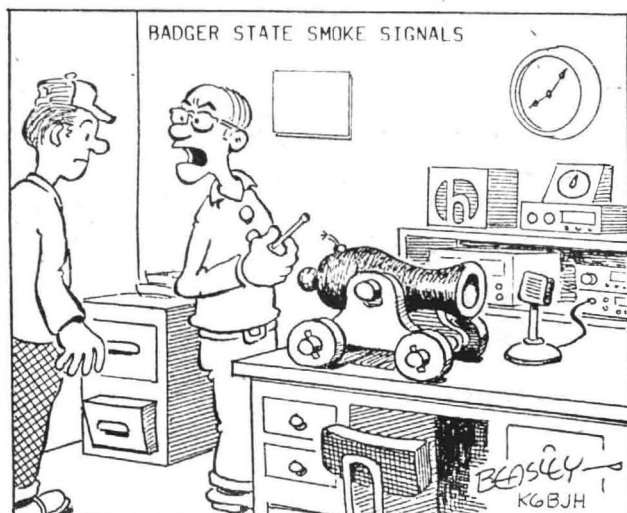


Mavis Plotz and husband Carl, WB9JSW, Oshkosh, were among the thousands who enjoyed the Madison Swapfest on April 8. Carl is the Bulletin Manager for the ARRL's Wisconsin Section. If you'd like to be an Official Bulletin Station (OBS), contact Carl at 4429 Sherman Rd., Oshkosh, WI 54901. More photos from the Madison Swapfest are on pages 10 and 11 of this issue of Badger State Smoke Signals.

Field Day

**1800 UTC Saturday,
June 23 to 2100
Sunday, June 24**

Field Day rules are in the May issue of QST. BSSS would like to publish photos of your FD group in action. Please send sharp B&W or color photos to the editor; the address is on page 2. Thanks!



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OFFICIAL RESULTS

1990 Wisconsin QSO Party

Sponsored by the West Allis Radio Amateur Club

WISCONSIN STATIONS

CALL	COUNTY	CLASS	QSO POINTS		MULT	BONUS	FINAL	CLUB AFFILIATION
			CW	SSB				
MULTI MOBILE								
KA9BXG *	Brown	MM	0	128	30	2500	6340	Green Bay Mike and Key Ops: KA9BXG, N9DFR, WA9SWX
MULTI FIXED								
KA9LOE *	Brown	MF	102	256	78	500	28424	Green Bay Mike and Key Ops: KA9LOE, KX9M, ND9Z, N9IPV
WE9R	Sheboygan	MF	14	210	65	0	14560	Sheboygan County ARC Ops: WE9R, KB9BJM
WA9AKV	Milwaukee	MF	0	20	12	0	240	West Allis RAC Ops: WA9AKV, KA9WXN
MULTI MULTI MOBILE								
N9KS *	Waukesha	M2	316	135	42	5500	24442	Kettle Moraine ARC Ops: N9KS, N9EZ
KE9RY	Waukesha	M2	0	203	38	5000	12714	Kettle Moraine ARC: Ops KE9RY, KE9TA
SINGLE TECH								
N9ICH *	Milwaukee	ST	0	182	24	0	4368	
N9EFX	Dodge	ST	0	56	23	0	1288	Watertown ARC
N9HDV	Dane	ST	0	43	11	0	473	Watertown ARC
KA9WXN	Milwaukee	ST	0	10	6	0	60	West Allis RAC
SINGLE NOVICE								
WD9EGC *	Rock	SN	0	279	30	0	8370	Beloit Amateur Radio
SINGLE MOBILE								
W9WI *	Dane	SM	208	123	57	4000	22867	SMC
NOBMP/M9		SM	62	185	43	5000	15621	
N9AAA	Dane	SM	0	156	30	3500	8180	Watertown ARC
NOAKC/M	Eau Claire	SM	0	140	36	2500	7540	Fall Creek Contest Club
N9HAL	Jefferson	SM	0	136	14	3500	5404	Watertown ARC
N9JDH	Milwaukee	SM	0	100	18	2000	3800	West Allis RAC
SINGLE FIXED								
W9XT **	Washington	SF	148	525	95	0	63935	Kettle Moraine ARC
AC9C/9 *	Douglas	SF	264	350	102	500	63128	Greater Rice Lake Contest Club
KB9S *	Pepin	SF	222	287	89	0	45301	Wabasha Area ARC
WA9BZW *	Shawano	SF	0	436	96	0	41856	Shawano Schools
WA9TZE *	Milwaukee	SF	260	229	84	0	41076	W/K ARC
K9OSH *	Waukesha	SF	122	360	85	0	40970	Kettle Moraine ARC
N9AW *	Milwaukee	SF	98	366	87	0	40368	W/K ARC
WE9V *	Milwaukee	SF	56	390	84	500	37964	

CALL	COUNTY	CLASS	QSO POINTS		MULT	BONUS	FINAL	CLUB AFFILIATION
			CW	SSB				
KB9AIT *	Outagamie	SF	0	421	82	0	34522	Oshkosh ARC
WA1UJU *	Waukesha	SF	126	241	82	0	30094	Kettle Moraine ARC
KB9QL	Milwaukee	SF	0	305	91	0	27755	W/K ARC
K9GDF	Milwaukee	SF	176	157	69	0	22977	W/K ARC
K9KR	Racine	SF	0	270	83	0	22410	West Allis RAC
N9FVN	Lafayette	SF	128	178	69	0	21114	
AJ9U	Milwaukee	SF	72	216	60	0	17280	W/K ARC
K1TMM	Milwaukee	SF	90	172	63	0	16506	Kettle Moraine ARC
NK9G	Milwaukee	SF	168	109	57	0	15789	W/K ARC
WB9MSM	Dodge	SF	122	113	67	0	15745	Watertown ARC
NI9Z	Washington	SF	166	69	51	500	12485	Sheboygan County ARC
NX9H	Milwaukee	SF	0	178	67	0	11926	W/K ARC
K9IAC	Milwaukee	SF	0	165	60	0	9900	West Allis RAC
WA9ZTY	Dane	SF	0	154	57	0	8778	Watertown ARC
W9CBE	Dane	SF	200	0	42	0	8400	
K9BED	Milwaukee	SF	118	63	45	0	8145	W/K ARC
WB9QFX	Winnebago	SF	0	135	59	0	7965	Fox Cities ARC
WA9ZSO	Milwaukee	SF	26	122	51	0	7548	Kettle Moraine ARC
K9ZZ	Sauk	SF	116	41	44	500	7408	Yellow Thunder ARC
WI9M	Milwaukee	SF	56	87	50	0	7150	Ozaukee Radio Club
N9GNQ	Milwaukee	SF	0	133	41	0	5453	West Allis RAC
KD9GS	Marathon	SF	66	67	35	0	4655	
W9YCV	Milwaukee	SF	48	64	34	0	3808	West Allis RAC
KE9C	Jefferson	SF	0	106	33	0	3498	Watertown ARC
N9DHM	Brown	SF	0	84	41	0	3444	Green Bay Mike and Key
K9FHI	Dodge	SF	0	89	38	0	3382	Rock River Radio Club
WA9YVE	Jefferson	SF	0	96	31	0	2976	Watertown ARC
N9FZL	Outagamie	SF	0	83	34	0	2822	Green Bay Mike and Key
W9DMI	Milwaukee	SF	50	46	26	0	2496	W/K ARC
W9FJE	Milwaukee	SF	0	76	29	0	2204	West Allis RAC
N9DIJ	Milwaukee	SF	0	57	29	0	1653	W/K ARC
N9EAJ	Jefferson	SF	68	7	22	0	1650	Watertown ARC
KC9BY	Waukesha	SF	0	66	23	0	1518	Kettle Moraine ARC
N9BDL	Oneida	SF	42	23	23	0	1495	Northwoods ARC
WA9WYI	Washington	SF	18	42	23	0	1380	Washington County ARC
WA9KCU	Dodge	SF	0	59	23	0	1357	Watertown ARC
KB9DZ	Waukesha	SF	0	70	18	0	1260	Kettle Moraine ARC
KA9USV	Waukesha	SF	0	35	20	0	700	
KB9W	Polk	SF	38	0	17	0	646	St.Croix Valley RA
N9ESC	Waukesha	SF	0	37	14	0	518	Kettle Moraine ARC
WD9IWK	Waukesha	SF	0	29	11	0	319	Kettle Moraine ARC
W9ODV	Sheboygan	SF	0	20	14	0	280	Sheboygan County ARC
KB9ORT	Milwaukee	SF	0	25	5	0	125	W/K ARC

** PLAQUE

* CERTIFICATE

U.S. / CANADA / WORLD

CALL	STATE	QSO POINTS		WISCONSIN COUNTIES	FINAL SCORE	CLUB AFFILIATION
		CW	SSB			
WR40 *	AL	0	19	12	228	
ON8WN *	Belgium	0	3	3	9	
K6NA *	CA	50	50	28	2800	
WA9LEY *	IL	12	31	21	903	
WM9M *	IN	0	50	26	1300	SMC
JH1UUT *	Japan	0	8	8	64	
WA4MXD *	KY	0	43	17	731	
AK7J *	MN	16	17	15	495	
W00G *	MO	118	156	48	13152	SMC
NO1ZZ	MO	24	19	17	731	
N9ARX/O *	NE	46	109	41	6355	
WV8B *	OH	2	31	15	495	

CALL	STATE	QSO POINTS		WISCONSIN COUNTIES	FINAL SCORE	CLUB AFFILIATION
		CW	SSB			
VE3LAC *	Ontario	60	37	26	2522	Op: VE3MGY
WA3JXW *	PA	8	20	11	308	
VE2AQP *	Quebec	64	0	16	1024	
W5NR *	TX	2	12	12	192	

* CERTIFICATE

WISCONSIN CLUBS

PLACE	1989 STANDING	CLUB NAME	1990 SCORE	1989 SCORE
1	2	KETTLE MORaine RADIO AMATEURS	199824	139227
2	1	W/K ARC OF GREATER MILWAUKEE	189590	198320
3		GREATER RICE LAKE CONTEST CLUB	63128	
4	11	WATERTOWN AMATEUR RADIO CLUB	49349	11765
5	3	WEST ALLIS RADIO AMATEUR CLUB	47875	46233
6	4	WABASHA AREA AMATEUR RADIO CLUB	45301	42770
7		SHAWANO SCHOOLS CLUB	41856	
8	5	GREEN BAY MIKE AND KEY CLUB	41030	40746
9	7	OSHKOSH AMATEUR RADIO CLUB	34522	34518
10	13	SHEBOYGAN COUNTY AMATEUR RADIO CLUB	27325	10358
11		BELOIT AMATEUR RADIO CLUB	8370	
12	6	FOX CITIES AMATEUR RADIO CLUB	7965	37380
13	10	FALL CREEK CONTEST CLUB	7540	13740
14	15	YELLOW THUNDER AMATEUR RADIO CLUB	7408	6945
15		OZAUKEE RADIO CLUB	7150	
16	16	ROCK RIVER RADIO CLUB	3382	4654
17	9	NORTHWOODS AMATEUR RADIO CLUB	1495	14042
18	18	WASHINGTON COUNTY AMATEUR RADIO CLUB	1380	2232
19		ST. CROIX VALLEY RADIO AMATEURS	646	

SOAPBOX

Lost the amplifier on the first QSO and it went downhill from there - K1TMM/9

I like more QRV your state stations. Open only 3 hours on 28 Mhz - JH1UUT

I enjoyed participating in the Wisconsin QSO Party - VE2AQP

Plenty of K9QSB - VE3LAC

Wisconsin is a peculiar place where their contest is from 1800-0100 but no one gets on the air until almost dark. And then almost entirely on SSB. Where are you fellows all afternoon? Working for the Yankee dollar? Always enjoy the short party - W5NR

It was fun to enter the party about 25 years after winning it once or twice from W9YT back in the mid sixties. Was K9ZMS from Sun Prairie. The timing is not good for us out here to work you on the low bands. But with a 3 element 40 and 2 element wire yagi on 80 at 140 feet high I did manage a few 80/40 QSO's 2 hours before sunset. Congrats to AC9C for hearing me on 80 - K6NA

Thanks for party. Had a great time - WV8B

Very good activity level from Wisconsin for this contest. Heard more than a dozen stations. Could have worked more if I

had a better antenna - ON8WN

Had fun but sure was a lack of activity on 80 M SSB this year. Most multipliers I've had in a QSO party, but not QSO's - WA9BZW

Drove 400 miles from Chicago to Douglas County. Left Thursday after work. Spent all day Friday erecting a 15, 20, 40, 80 SSB and 80 CW, suspended from trees or small masts of fence rail. Highest antenna was at 10 feet. TS830 and SB200 on 40 SSB and CW. Other bands used TS930 and SB220. 10 meters seemed good but dipole at 7 feet couldn't cut it. Took stations down and drove 400 miles to Chicago on Sunday. Spent 7 hours operating - 15 hours driving. Lots of work for 500 bonus points but sure worth it to put 'rare' county on the air - AC9C

Thanks for another fun contest. I was disappointed in CW activity but picked up quite a few multipliers on 10 phone. Would like to thank the mobiles who gave out new counties to everyone - N9FVN

Thanks for a nice test. Try to get it back on Sunday, more activity. Also, change club score rules. We went thru all that work to give Florence county out but could not use our score for our club. Sure had fun. Can't wait for next year - KA9LOE group KX9M, ND9Z, N9IPV, KA9LOE

I had a lot of fun - KB9QL

Great conditions. Lots of DX called me - 18 countries including VP8, KX6, V63, CN8, J38 and ZK1. Where were these guys the week before when I could have used them as multipliers in the ARRL DX contest. Like the contest on Saturday much better - W9XT

Worked contest from middle of 40 acres in sister-in-laws cabin in Bayfield county. Cabin has no electricity or running water. Arrived Friday at 11 PM. Up at 6 AM, using bow and arrows to put up 4 dipoles, up 50 feet in trees. could not get generator running till 12 PM. No time to check dipoles. Found 80

and 20 meter dipoles did not work during contest. Enjoyed contest but did not seem to be a lot of other states checking in. Maybe will try again in a few years with a new set of dipoles - N19Z

Saturday makes a fine day for a QSO party - NØBMP/M9

More of you Wisconsin guys have to call CQ. Lots of thunderstorms and tornadoes took me off the air a couple of times. Good contest - WOØG

SPONSOR'S COMMENTS

This year we had 84 entries, 68 from Wisconsin and 16 from out of state, which includes Belgium and Japan. Band conditions were excellent, as judged by the large number of stations that made a good number of contacts on ten meters. Several stations worked 10 meters to great advantage, including our top scorer, who included 262 ten meter contacts in his 525 total phone QSO's. Novice WD9EGC managed 279 QSO's and Technician N9-ICH managed 182 QSO's exclusively on 10 meters. Of course, 40 meters was the bread and butter band again.

The entries indicated that 65 Wisconsin counties, 50 states and 9 Canadian Provinces were on during the party. The Wisconsin counties not on were Ashland, Crawford, Grant, Iron, Rusk, Sawyer and St. Croix. Only three, Iron, Rusk and St. Croix were not on last year, either.

First off, I would like to take the space to sincerely thank the mobile stations, who traveled far and wide to put many counties on the air that were not available in past years. So you know who they are, I have them listed alphabetically with total counties in parenthesis:

N9AAA(8); NOAKC/M9(6); NØBMP/M9(11); KA9BXG(7); N9-EFX(13); N9HAL(8); N9JDH(5); N9KS(12); KE9RY(11); and W9-WI(15). I also would like to recognize the KA9LOE multi crew who traveled to Florence County, AC9C who drove from Illinois to put Douglas County on, and N19Z, who traveled from West Bend to put Bayfield County on. These stations all deserve a lot of recognition for their efforts on behalf of the QSO Party 1990.

I do also wish to mention the many in state and out of state stations who participated and provided contacts. Many do not send entries in, but appear in the logs. And to all the entries, a big thanks too.

I found it necessary to adjust 11 scores this year. All 11 stations were notified in writing.

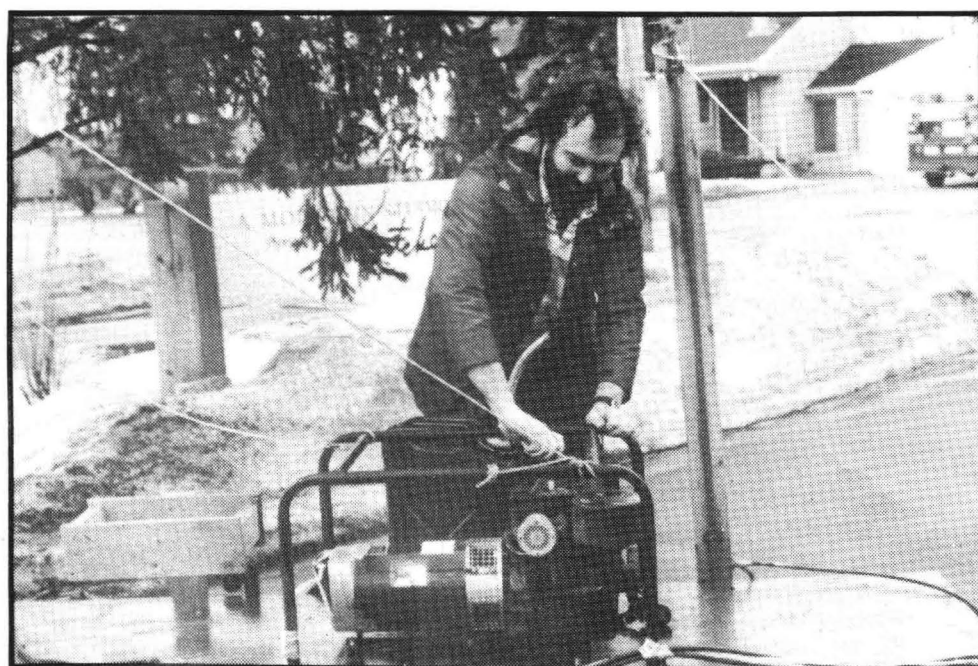
Now, for the winner. After having had to move to Washington County to prove there was a Washington County, Gary Sutcliffe, W9XT finally is successful. Gary entered the Single Operator - Fixed category with a total score of 63,935 points, just a scant 807 points over second place. Gary, an avid contester, writes a column in the National Contest Journal and belongs to the Society of Midwest Contesters. Congratulations Gary.

This year the contest was held on a Saturday, due to my error. We have had some comments that Saturday would be a better day than Sunday. I would like your opinions. Write and let us know about the day and any other suggestions you may have. Send to my address - 28812 E. River Bay Drive, Waterford, WI 53185.

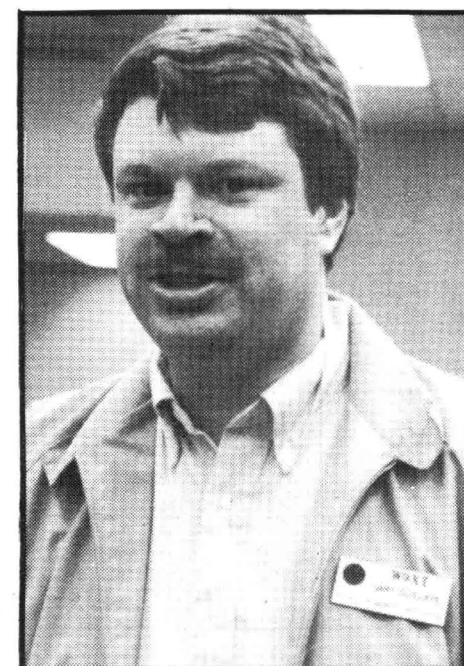
I, as Chairman, wish to thank all the stations who participated, both fixed and mobile, whether to a large degree or to a small degree. Without you there would be no party. It has been a fun three years for me. See you in the 1991 Wisconsin QSO Party.

- Lynn Tamblyn, K9KR
Wisconsin QSO Party Committee

PARTICIPANT PHOTOS



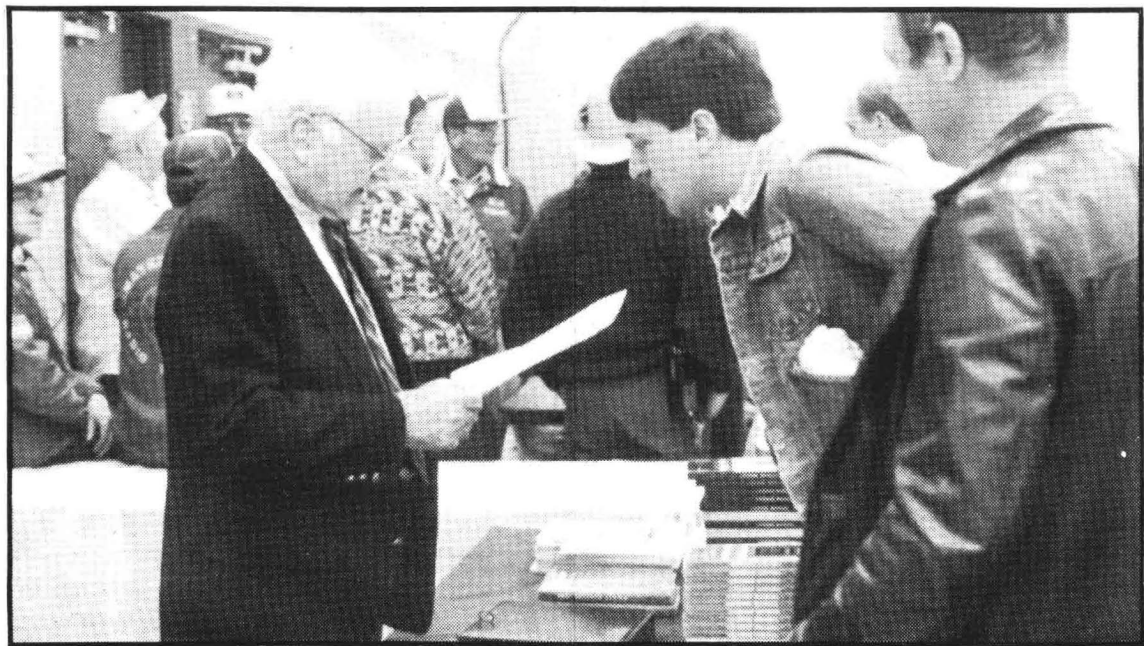
At left, John Boos, NØBMP, checks over the generator for the NØBMP/Mobile operation in the Wisconsin QSO Party. The station tallied 15,621 points, and operated from 11 Wisconsin counties. Thanks to Mark Thompson, WB9QZB, for the photo.



At right is the winner of this year's Wisconsin QSO Party in the Single Operator, Fixed Station category, Gary Sutcliffe, W9XT. He scored 63,935 points from Washington County.

Madison Swapfest Pix

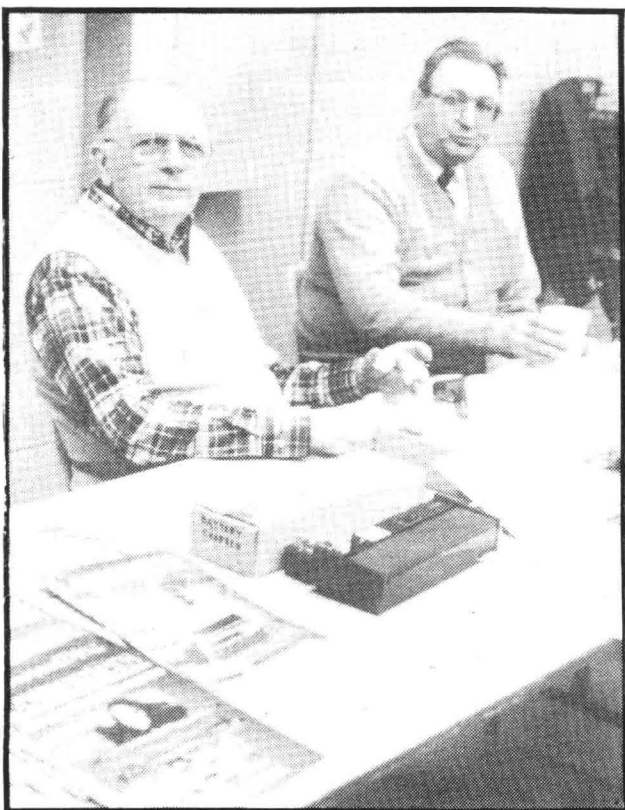
Sunday, April 8, 1990 - Dane County Forum Building - Madison, Wisconsin



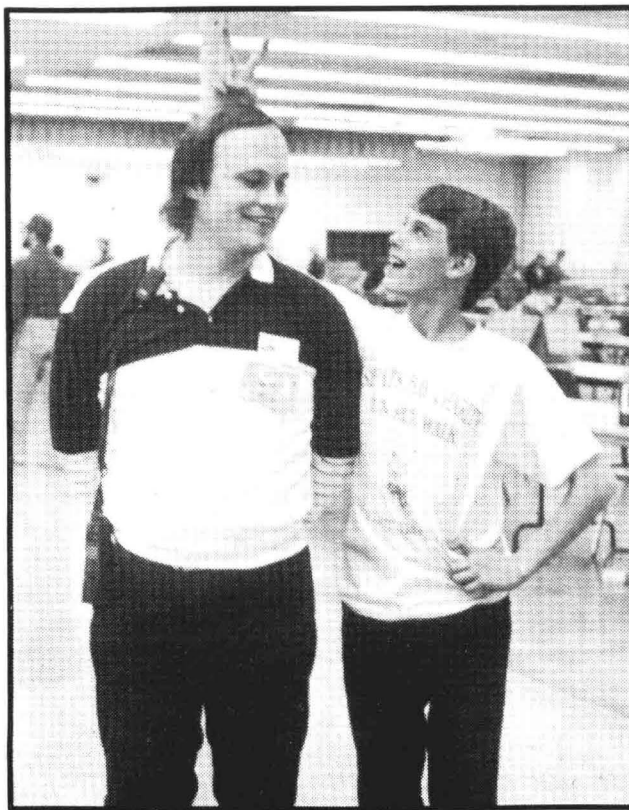
American Radio Relay League Central Division Director Ed Metzger, W9PRN, Springfield, Illinois, left, discusses ARRL matters with Dave Rece, NO9M, Stoughton.

Madison Sv

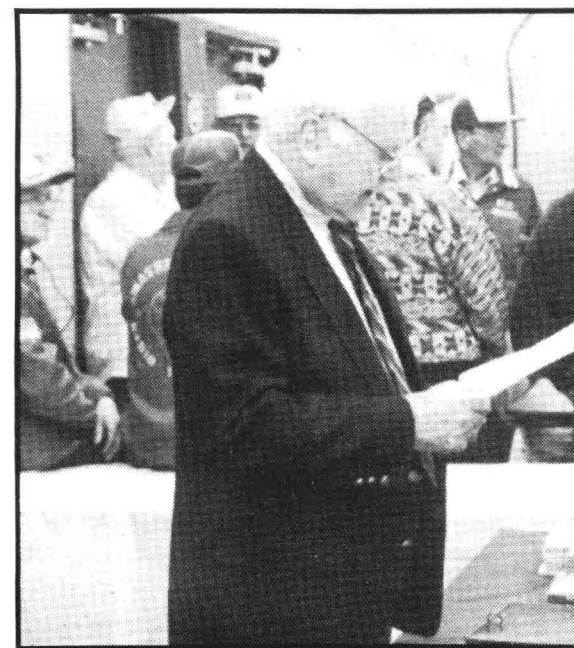
Sunday, April 8, 1990 - Dane County



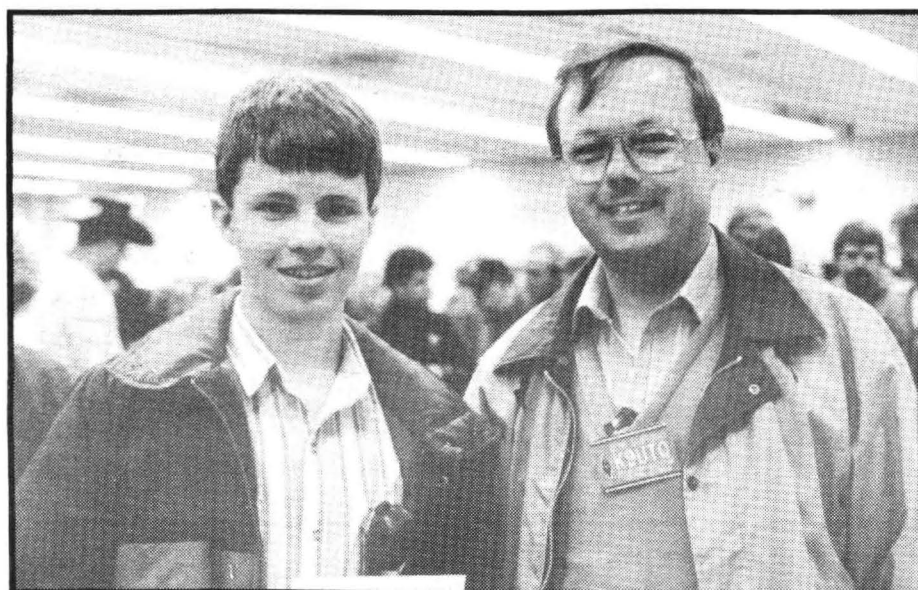
Harry Westlund, K9EHJ, Baraboo, left, and Ken Ebner, K9EN, BSSS Chairman, man the BSSS table.



MARA President Jim Waldorf, KB9AQQ, left, and assistant Erich Schillen, kept the swapfest running smoothly.



American Radio Relay League Central Springfield, Illinois, left, discusses Al Stoughton.



Here are Scott Santoski, KB9DVS, and Scott's dad, Gene Santoski, K9UTQ, of Wisconsin Rapids.



Pausing for a photo were Don Peterson, KA9JGI, Portage, and John (WB9SVL) and Gladys Thompson, of Baraboo.



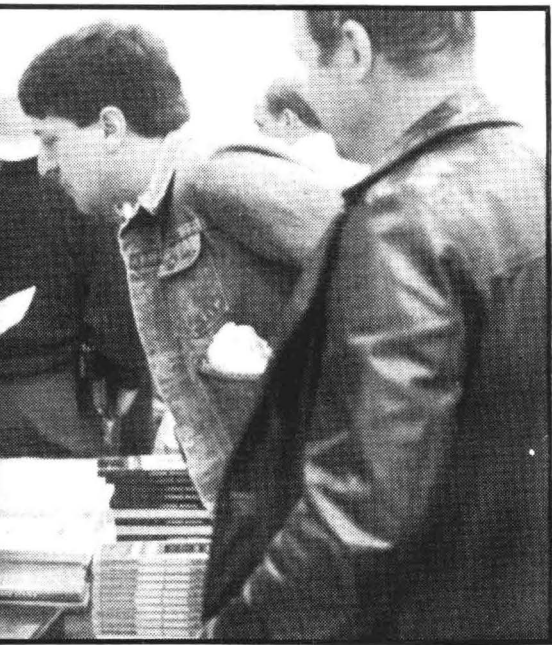
Ellis Mason, KB9PO, left, of Monona, eyes an assortment of computer stuff.



Bargains abounded, and hundreds of eager shoppers walked the aisles, checking out the goodies being offered.

wapfest Pix

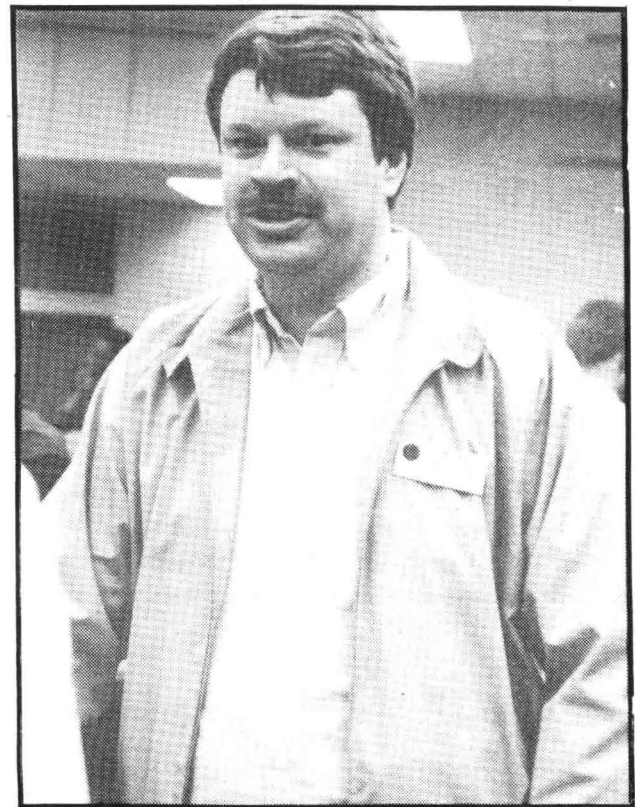
Forum Building - Madison, Wisconsin



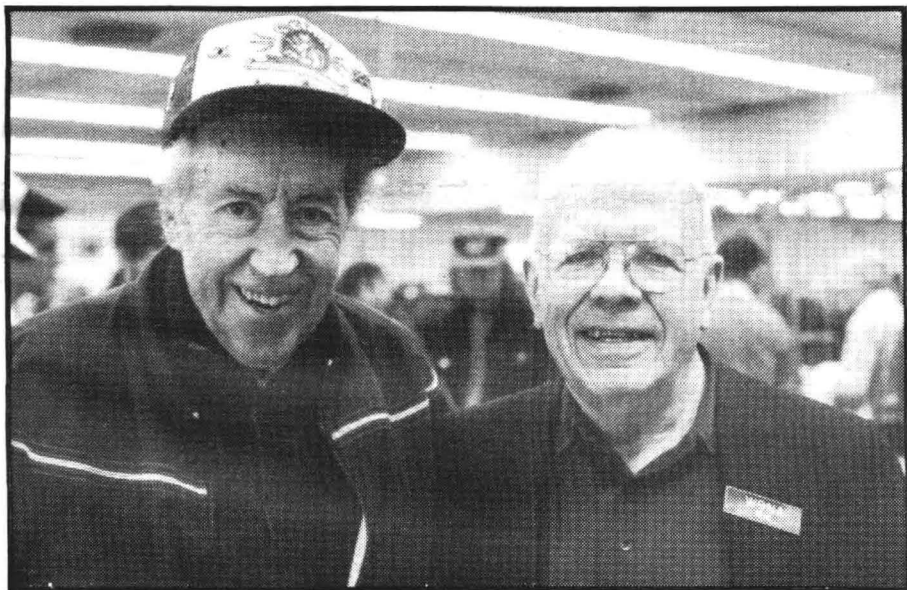
Division Director Ed Metzger, W9PRN, RL matters with Dave Rece, NO9M,



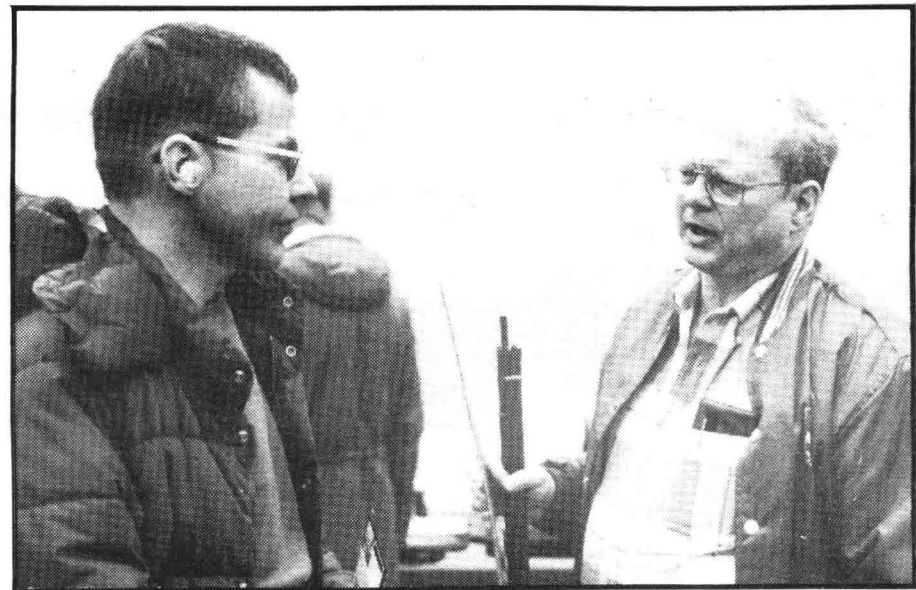
Here are Steve Polishinski, WB9YSD, Sun Prairie, and wife Barb, N9JAR. Barb kept things in good order in the beanery.



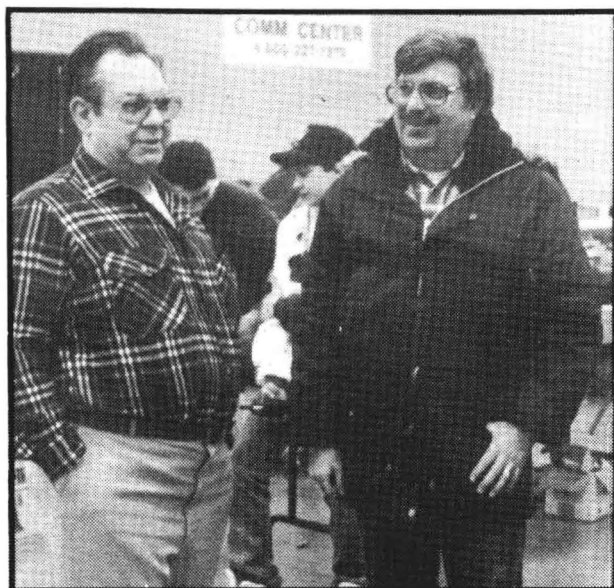
Gary Sutcliffe, W9XT, is the Wisconsin Chairman of the Society of Midwest Contesters.



Above are Fred Linn, W9NZF, Cedarburg, and Reno Goetsch, W9NA (originally W9RQM), of Wausau.



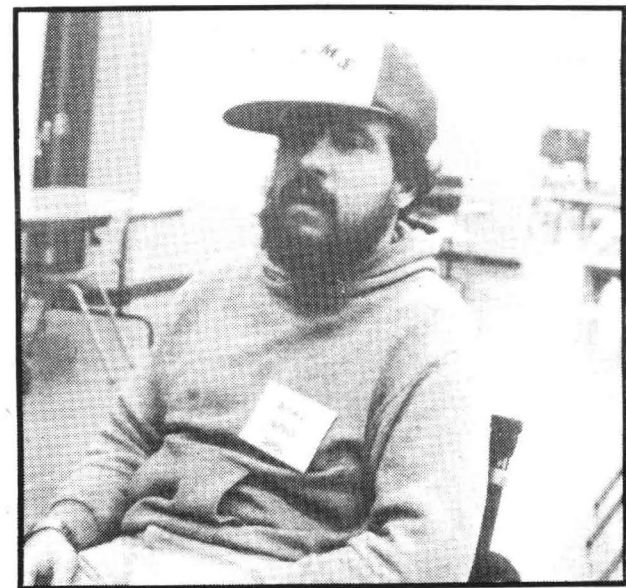
Bill Bastian, N9BOE, Tomah, and Don Evenson, K9JYX, Baraboo, enjoy "talking shop"; both work at newspapers.



Matt Helt, WA9EKQ, and Eldon Boehm, NK9U, both of Madison, swap stories.



Russ Fleming, WB9NYG, Waunakee, looks over some tempting merchandise.



Dave Schaefer, N9DMS, Madison, did lots of visiting with his many friends.

Northern Wisconsin Radio Club

—Since 1923—

Steve Kraft, KE9RW
Secretary
Rt. 7, Box 62
Menomonie, WI. 54751

The last meeting of the NWRC was called to order by President Steve, KA9-OMC, at 7:30 p.m., April 24, 1990, in the back room of the Peppermill Restaurant in the Thunderbird Mall, Menomonie. Jim, NX9F, gave the treasurer's report, and the

present balance is \$350.37.

The NWRC Field Day will be held June 23 and 24 at Chuck's (N9FVA) airport at Highways 12 and 79. We will have a picnic on Friday, June 22, at 6:30 p.m. at the airport. Please bring a dish to pass. You are invited to bring any equipment and antennas to set up. AC power is available for those who would like it. Camping space is available, and please bring food to pass for the entire weekend. Our Field Day porta-potty will cost about \$60. Steve, KE9-RW, has ordered the ARRL Field Day entry package.

On April 21, local hams attended a SkyWarn class at the Baldwin American Legion Hall. The WCØAAA RACES training team from the Twin Cities instructed 25 to

30 people. Our thanks to the St. Croix Valley Radio Amateurs and the WCØAAA RACES training teams for hosting this class.

We need volunteers to provide communications at the Boyceville Air Show on August 19.

Obtaining club liability insurance through ARRL was discussed. A \$1 million policy will cost an estimated \$200 per year. Bob, W9BAR, said the Eau Claire Amateur Radio Club has this policy. He suggested that other groups might benefit from the coverage. Ernie, WØLUY, said that a local organization that he is in has similar insurance. We voted unanimously in favor of purchasing this ARRL liability insurance. Steve, KA9OMC, has sent in our ARRL affiliation roster.

Six volunteers are needed to provide communications for the United Cerebral Palsy Walkathon on May 5. The walk starts and ends at Wakanda Park in Menomonie. The Duluth Hamfest will also be on May 5.

Bert, K9ZZI, invited us to the Eau Claire Amateur Radio Club meeting that is held on the second Tuesday of May at the Parks and Recreation Building. Jim Rassbach will give a cellular phone presentation.

Our thanks go to Marlin, WJ9Y, for our April meeting's program on laser technology.

The next NWRC meeting will be held on September 25 in room 247 of the Menomonie High School. There will be a demonstration of packet radio at the high school Amateur Radio station by Steve, KE9RW.

The meeting was adjourned at 8:45.

Steve Kraft, KE9RW, Secretary

Central Wisconsin Radio Amateurs Ltd.

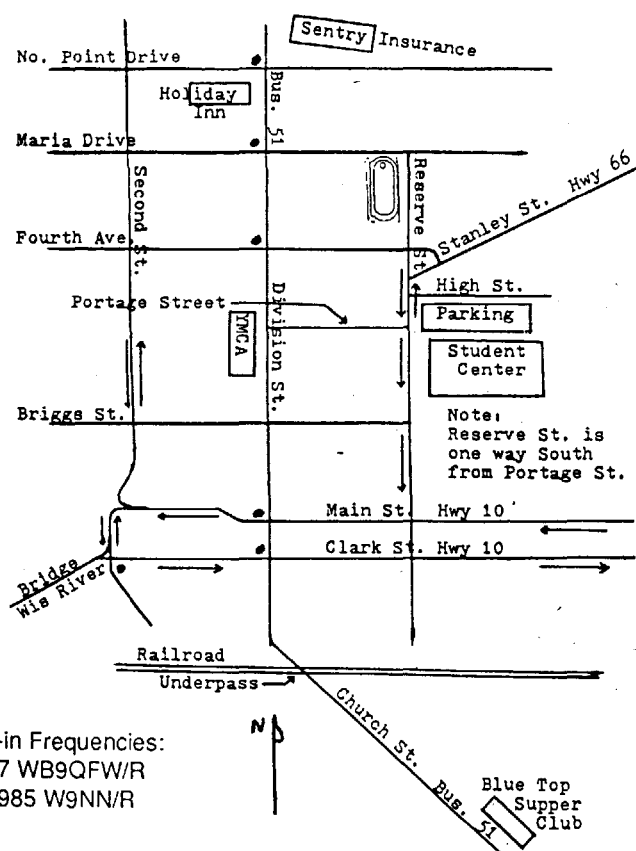
Presents The 13th Annual

SWAPFEST

SUNDAY, JUNE 17, 1990
UW-Stevens Point Student Center

All Under One Roof!

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385/985 W9NN/R

Admission \$1

- 6:30 am - Vendors Set-up
- 8:00 am - Swapfest Opens
- 9:00 am - Net Traffic Handling (K9UTQ)
- FCC Exam Session 1*
- 10:00 am - ARES/Emergency Com. (KE9UT)
- 11:00 am - Complex Impedances & Transmission Lines (K9DB)
- 11:30 am - FCC Exam Session 2*
- 12:00 pm - WNA Meeting
- 1:00 pm - Fastscan Television (AD9W)
- 2:00 pm - Prize Drawings
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- * Be sure to bring:
 1. Original license
 2. Photocopy of license
 3. Check to ARRL/VEC for \$4.95

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Art Wysocki N9BCA
3356 April Lane
Stevens Point, WI 54481
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Eau Claire Amateur Radio Club

Carl Searing, W9NW
Secretary
1129 McKinley Road
Eau Claire, WI. 54703

MEETING OF MAY 8, 1990

- 27 present -

The meeting was opened by President Bill Jablonske, W9NNS, at 7:40 p.m. The

secretary's and treasurer's reports were read and approved.

Under Old Business, preparations for the upcoming Hamfest were discussed, volunteers were sought for assistance with two sporting events (a bicycle event and a biathlon) to be held soon, and a letter of thanks from the March of Dimes was read. They were quite pleased with our work, and hope that we may aid them again next year.

We were privileged to have in attendance Ruel, PA3BAT, from the Netherlands, who once again is in the area for a brief training seminar at Cray Research. He was with us for the same reasons six years ago, and is always welcome.

Jim Rassbach, of Rassbach Communications, gave one of the most interesting

programs in recent months. Talking on the subject of cellular telephones, he fascinated his audience with demonstrations and explanations of the technology behind the system. He fielded questions for some time afterward.

Lunch Committee for the June meeting: N9JMA and N9JMB.

Meeting adjourned at about 9:15 p.m.

Respectfully submitted:

Carl, W9NW, Secretary

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TAYLOR COUNTY AREA AMATEUR RADIO CLUB

Rolland Walty, W9LEE
Secretary
W. 4117 Hwy. 102
Westboro, WI 54490

Regular monthly meeting June 14, at 7:00 p.m., in the usual location: Basement of the Taylor County Courthouse Annex, 224 S. 2nd St., Medford.

On the agenda: Charges for the use of the autopatch, which should be installed and operating by the date of the meeting; also; possibility of conducting license classes this fall.

MINUTES OF MEETING, MAY 10, 1990

Meeting was called to order at 7:13 p.m. by President N9GEN. Members present were N9GEN, WD9FWP, W9QHI, WD9C, KE9LX, KA9BLV, KE4FE, KA9UXN, N9GHZ, and W9LEE.

Minutes of April meeting were read by the secretary and approved.

All ten members present paid \$3.00 each to the club treasurer as their share of renewal subscriptions to Badger State Smoke Signals, the balance of each subscription to be paid by the club, under the club subscription plan offered by BSSS.

Motion made by N9GHZ, seconded by WD9FWP, to have committee composed of W9QHI, KE9LX, and W9LEE select and purchase an autopatch unit for the Medford repeater. Motion approved.

N9GHZ announced the Tombstone Fun Run, to be held June 9, and asked for three volunteer operators to handle communications, as in past years.

KE9LX made a motion to have the club secretary send a letter to each club member who has not yet paid dues for this year, asking that they make payment to Treasurer WD9FWP. Motion seconded by N9GEN, and approved.

N9GEN suggested that the club consider ways of increasing club membership, such as by conducting license classes. No final decision on this matter.

N9GHZ made a motion to adjourn, seconded by WD9FWP. Motion carried. Meeting adjourned at 8:40 p.m.

Rolland Walty, W9LEE, Secretary

ANNUAL EAU CLAIRE HAMFEST! and Computer Expo

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Eau Claire Amateur Radio Club

Saturday, July 14, 1990

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- 8:00 a.m. to 2:00 p.m. • Drive in set-up with no steps
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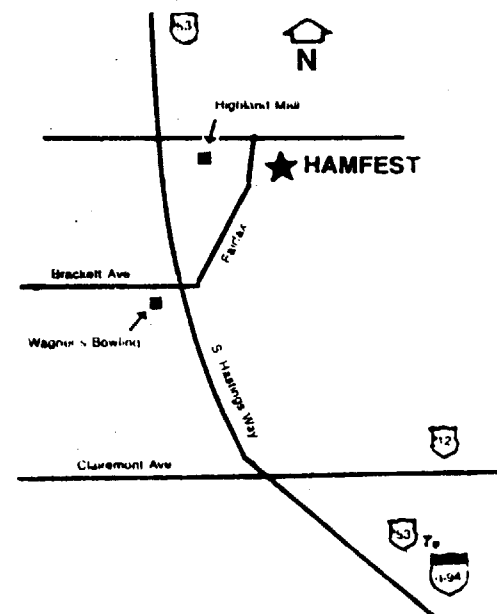
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Talk-in on 146.31/91

Table Reservations:

Contact: Liz Searing
1129 McKinley Road
Eau Claire, WI 54701

or call 834-1303



Annual Packet Conference Focus is Emergency Communications

By Kent Helman, W9LZQ
Emergency Coordinator,
La Crosse County
1063 Fairfield Street
Onalaska, WI 54650

The April 14 RiverLAN Packet Conference provided an opportunity for Wisconsin and Minnesota packet operators to hear about and discuss how packet radio and emergency communications can interface.

Hams heard discussion and proposals from four guest speakers: Fred Wendt, W9ZAG (Wisconsin Section Emergency Coordinator); John Leekley, WB9SMM (Milwaukee County Emergency Coordinator); Jim Boos, WB9YSG (Emergency Coordinator for Severe Weather Operations, Milwaukee County); and Steve Thompson of the National Weather Service.

Fred, W9ZAG, encouraged the group to begin now to work toward a system where packet radio can be utilized for reliable emergency communications statewide. Jim, WB9YSG, discussed interfacing with the National Weather Service, and John, WB9SMM, offered a model proposal for establishing a viable packet emergency commun-

ications network, using resources of both the amateur community and local emergency government. (The proposal from WB9SMM is published below).

Steve Thompson offered SkyWarn training for those hams attending the conference who desired to receive the training, or who wished to be updated. He featured an excellent film on flash flooding.

The afternoon featured technical forums and a session discussing the proposed backbone high-speed link between Minnesota and Wisconsin. The RiverLAN Association has committed itself to supporting a high-speed link between the Twin Cities in Minnesota and Milwaukee. Both the Twin Cities and Milwaukee have developed to an extent that a subject at the conference was a high-speed network and how to link the two areas, with satellite node links along the way.

RiverLAN has stated its financial and technical support for the installations at La Crosse and Tomah, but additional support will be needed from the southern portion of Wisconsin, from WAPR and others, for needed equipment and support. SouthLAN will be providing support for the southern Minnesota links.

The past five years have seen the explosion of a totally new ham communications mode: "packet radio". The packet radio system utilizes off-the-shelf radios and almost any terminal or computer. The key to the system is a newly developed digital interface called a "Terminal Node Controller" (or "TNC"), which acts as the brain of the system. What this means, in practical terms, is that two packet systems "connected" to each other via the radio can pass enormous quantities of written data at high speed, totally error free, and with a fair modicum of privacy. (Anyone with a packet system can decode the transmissions, but it is not likely that your average scanner operator will have the equipment, expertise, or interest).

The feature which makes this mode truly exciting is that properly equipped stations can "store and forward" packet transmissions, thus extending the reach of any packet radio station tens or hundreds of miles (and even across the country). The key requirement is a series of intervening stations at critical points which can relay the messages. Each message is stored and forwarded error free.

This is where the Emergency Government divisions can help. The Wisconsin amateur community does not now have a complete, statewide network. Metropolitan areas have good coverage, but substantial gaps exist between major metropolitan areas. What is needed is a system which will link the cities and smaller towns in a complete, interconnected system. This can be accomplished by establishing a packet station at intervening county seats which would act as a "backbone" to channel communications. The basic network can be imagined as an elongated "U", with two parallel North-South spines running north from Madison and Milwaukee, and an East-West link between Madison and Milwaukee. Ideally, all counties will ultimately have the capability, thus providing multiple possible paths across the state.

It is proposed that Emergency Government at the state and county levels and the Amateur Radio community, lead by the Amateur Radio Emergency Service (ARES), join forces to gather and install the necessary equipment to create a backbone system which would connect Madison to Wausau (with branches to La Crosse and Eau Claire), and Milwaukee to Green Bay, with a link between Madison and Milwaukee, and branches to Janesville and Racine. Each of the cities involved, and all of the intervening counties, would be equipped to relay packet transmissions. Other counties would be included as money/equipment becomes available.

Statewide Packet Radio Emergency Network Proposed

SYNOPSIS

This is a proposal for a joint, combined effort on the part of Emergency Government at the state and local levels and the Amateur Radio community in Wisconsin to develop a low cost, state of the art, digital communications system which will link county Emergency Operating Centers (EOCs) for severe weather information and disaster recovery communications.

THE PROBLEM

This proposal addresses two problems:

1. The need for timely severe weather information (in addition to the announcements of watches and warnings) to the EOCs.
2. The need for a secure, error free, and relatively high speed means of passing written disaster recovery-related traffic between locations which do not usually have that type of capability.

THE SOLUTION

The state and county Emergency Govern-

the labor and operating expertise necessary to create a packet radio "backbone" system which will link the county and state EOCs, the National Weather Service, and other appropriate sites. The system will provide those who want it with timely (but necessarily "unofficial") weather bulletins and other related information from the weather service during severe weather watches. The system will allow hard copy communications in post-disaster situations amongst sites not normally so equipped, such as Emergency Government mobile command posts, shelters, feeding sites, Red Cross offices, hospitals, and so forth.

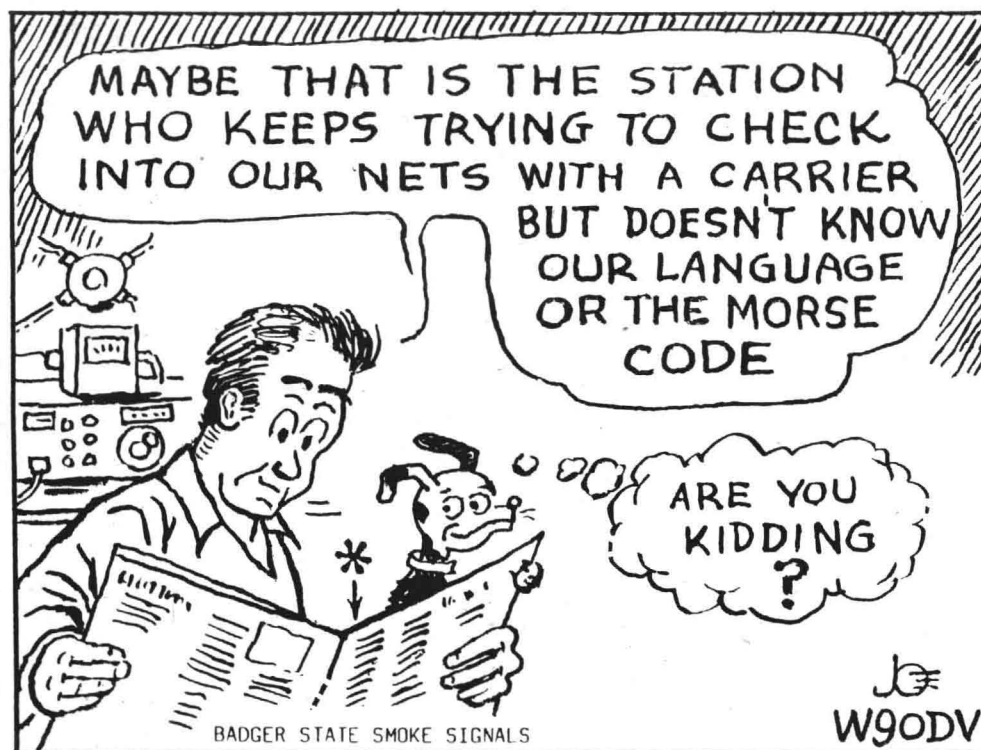
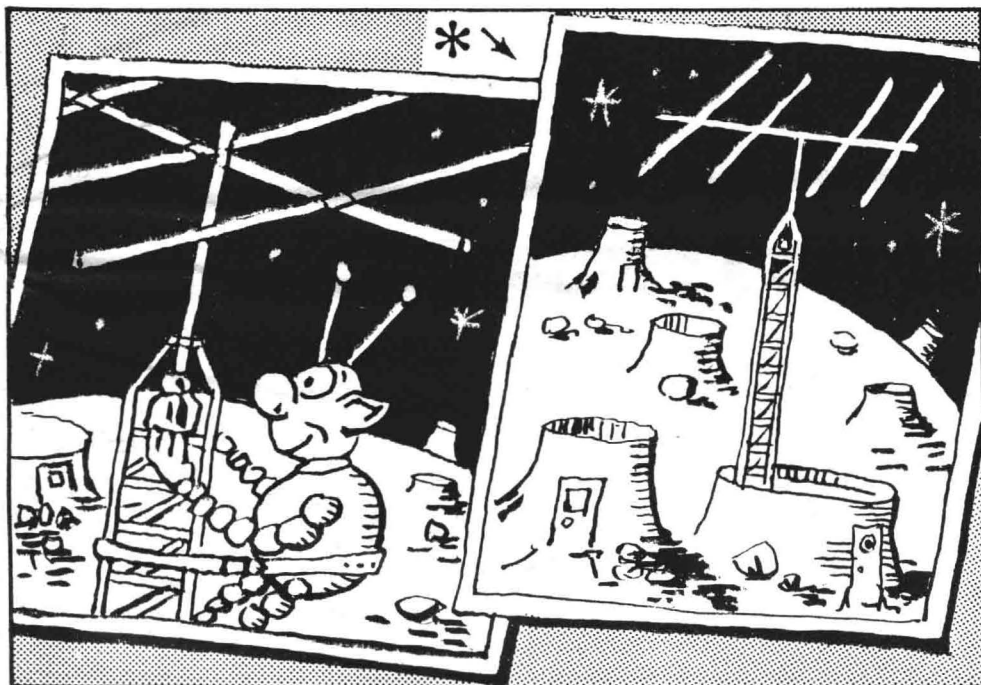
DISCUSSION

For years, the ham radio community has provided voice communications in support of the Weather Service's SkyWarn program and to Emergency Government, the Red Cross, and other agencies, in time of disaster. This system relies on portable equipment and ham-supported voice repeaters to supply real time tactical communications circuits. It is unsuited to situations requiring the transmission of large quantities of written material or data, or where security or hard copy is a necessity.

Space for a radio and antennas would be needed at a suitable site; ideally, this would be the radio tower currently utilized by the county for its other radio needs. As with any radio application, the better the site, the broader and more reliable the coverage. An alternative site would be any high-profile location with (hopefully) emergency power. The TNC would be co-located with the radio equipment and, once installed, would be self-sustaining. Arrangements would be necessary to allow shutdown of the equipment, but access would not otherwise be necessary, except for routine maintenance. If convenient, an RS-232 line would connect the TNCs to the computer/terminal in the EOC. It should be noted at this point that it is not necessary to dedicate a computer to the packet system. Only when it is desired to send or receive messages via a computer or other terminal device required. Any office personal computer (PC) with a serial (RS232) output can be pressed into service as needed, and then returned to its normal functions when the need has passed. In the event a direct cable connection from the EOC to the radio room is not possible, a second TNC/radio combination will be necessary at the EOC in order to access the system. In an emergency situation, local hams with packet systems would be called on to provide the necessary additional terminals at remote sites.

- John Leekley, WB9SMM,
Emergency Coordinator, Milwaukee County
W169 N8480 Sheridan Drive, Menomonee Falls, WI 53051

NEWS RELEASE — Early photos received from the giant space telescope *



The intense interest of these attendees at one of the RiverLAN Packet Radio Conference technical forums is apparent.

Badger State Smoke Signals thanks Kent Helman, W9LZQ, for the story and for the photos.

JANUARY 4, 1983

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ARRL Board to Hone Codeless Stance

American Radio Relay League officials met recently to consider the ARRL position on proposed changes to the Amateur Radio licensing structure. The "strawman" committee, appointed by League President Larry Price, W4RA, on recommendation of the Executive Committee, was charged with weighing the League's position in light of the Federal Communications Commission's Notice of Proposed Rule Making on the subject. (For the full text of PR 90-55, see April QST, page 38.)

The League's board of directors now actively seeks input from all interested members (and other Amateurs). The board will consider this input, as well as the recommendations of the April 21 working group, to formulate a position.

The "strawman" committee consisted of five directors, First Vice President George Wilson III, W4OYL, and Executive Vice President David Sumner, K1ZZ. Among their recommendations to the board:

* Reaffirmation that the Novice class license as a route into Amateur Radio is absolutely essential.

* Support for the incorporation of Novice testing into the accredited Volunteer Examiner system. This would permit examination elements earned in obtaining a Novice license to be used for credit toward upgrading, without retesting.

* Pursuing rules changes to permit VECs to recoup examination expenses for Novice exams, provided that no fees are charged for any applicant under age 16.

* Retention of the Technician class license as a distinct class of amateur license, and its continued availability to new applicants.

* Clarification of the League's position with regard to Element 3A: that the existing Element 3A should be expanded by five questions (i.e., the pool would be expanded by 50 questions). Requirements for the Novice, Communicator, and Technician

licenses would be as follows:

Novice: Elements 1A (5-WPM code) and 2 (30-question written);

Communicator: Elements 2 and 3A (30-question written);

Technician: Elements 1A, 2, and 3A;

Upgrading from Novice to Technician would require passing Element 3A;

Upgrading from Communicator to Technician would require passing Element 1A;

* Certificates of Successful Completion should be issued to candidates who pass either Element 1A or Element 2 without qualifying for a license by passing another element;

* Frequency privileges for Communicators should be as proposed in RM-6995 (the League's original codeless license proposal). The FCC proposal of a 200-watt PEP output power limit for Communicators was acceptable to the working group. However, since the only difference between Communicator and Technician qualifications is the 5-WPM code test, the Committee could find no rationale for denying Communicators control operator privileges for repeater and auxiliary stations. Therefore, the Committee recommended the Board reconsider its position on this matter;

* Technician licensees who have credit for Element 3B by virtue of having taken the old, 50-question Element 3 examination should retain this credit (permitting them to upgrade to General upon passing just the Element 1B 13-WPM code test);

* In all other respects, the committee recommended there be no departures from the ARRL position as adopted in RM-6995. The recommendations of the committee are just that - recommendations.

- The ARRL Letter, 05/18/90

Digital Control Petition Withdrawn

On April 19, the American Radio Relay League formally withdrew petition RM-7248, concerning automatic control of HF digital communications, from consideration.

The petition, filed Dec. 12, 1989, sought Federal Communications Commission rulemaking from interested parties in the matter of automatic control of HF packet stations. When it became apparent that the proposal was controversial, ARRL requested that FCC extend the deadline for reply comments by 45 days, to April 23.

"The petition," ARRL General Counsel Christopher Imlay, N3AKD, wrote to FCC Private Radio Bureau chief Ralph Haller, "was the result of experience gathered pursuant to a Special Temporary Authorization granted by the Private Radio Bureau, and twice renewed. A number of amateurs, operating pursuant to the STA, have established a message traffic system which has worked well over the past several years, and has given the amateur community some insight into the proper regulatory framework for such operations."

The League's short-lived petition accomplished two things. It encouraged discussion, resulting in a number of constructive alternatives. The generally thoughtful response to the petition also demonstrated that additional time would be needed to arrive at a workable plan, thus making it more likely that the Special Temporary Authorization (STA) will be renewed.

Prior to the filing of RM-7248, there was reason to believe the FCC might allow the STA to expire unrenewed; the petition addressed that possibility.

Criticism of the petition came in part from other users of the CW subbands; some offered alternative proposals for automatic control of HF digital communications on some limited basis while protecting those other users from interference, and still allowing the much-needed development of a more efficient packet network to proceed.

"The League is no longer convinced," Imlay's letter to the FCC continued, "that the rules proposed in its petition necessarily represent the most efficient plan for permitting automatically-controlled HF RTTY and data communications in the Amateur Radio service.

"The petition incorporated previously concluded international band planning efforts of IARU Region II, though other approaches could be consistent with such planning as well."

- The ARRL Letter, 05/04/90

GOT SOMETHING FOR US TO PUBLISH?
Please keep our deadlines in mind. If you have a feature article and/or photos, we MUST have them before the first of the month for the next month's issue. If you want us to publish VE exam schedules, even sooner than the first is best. For example, if your team has exams scheduled for June 25, and you send the schedule to

us on June 1, it will be too late, since we go to press (usually) the last Monday of the month; that would most likely be AFTER your exams have been administered. We are anxious to help you serve our hobby and the public, but we must have your material well ahead of time, especially exam schedules. Thanks!

- Editor

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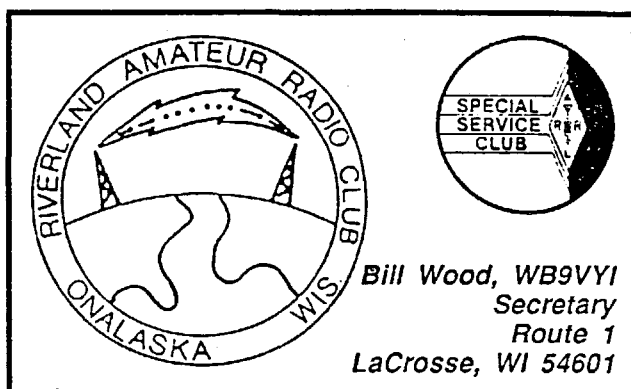
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Greetings.

Our President, Dick Low, KØJYB, called the regular monthly meeting to order at 7:30 p.m. May 1st, at the Onalaska Civic Center, by announcing Karl Simonson's receiving his call letters (KB9EQI). Then, he called for the reading of the last month's minutes.

The minutes were read, and there were three changes:

1. Greg Miller, KA9FOZ, wanted to clarify that he was not against setting up at the mall; it was just his experience that he expressed last month, and not a recommendation, nor was he trying to discourage the project in any way.

2. The list of those present was not complete, as Jim Wiskow, KE9BC, was present.

3. Karl Simonson's name was misspelled with a C, instead of a K.

After these, the minutes stood as read from the Badger State Smoke Signals.

Next, Arby Boomer, WF9T, gave the treasurer's report, and it was approved as read.

Dick told us of the bill we've received for inheritance tax of \$108.00. Even though we are tax exempt, several think this kind of tax is different, and we'll probably have to pay it.

Van Elston, WA9FIO, gave his repeater committee report, and noted our industrial interference problem is a thing of the past. The repeater will need to be shut down for about a week in June for the adjustments and modifications we have been talking about.

Charlie Burch, KA9UUK, told us of a large room at the mall that is available for thirty dollars a day, if we'd like to hold our hamfest there.

Field Day plans were then discussed for a short period of time.

Rick Williams, KV9U, reported on test night, to be held here at the Civic Center May 17th at 7:00 p.m. There is about a dozen or so people signed up so far.

Dick announced the RiverLAN group had an excellent turnout for their special meeting, there were about 40 people present.

Charlie presented to the club the new membership rosters, one list by call letters, the other alphabetically. Then, he recommended the club consider selling the equipment we've inherited from Al Reinholz, N9FZE. Much discussion was had; pros and cons considered. Van made the motion to auction the equipment off at the (club's) next meeting to its members, and put the funds into the repeater or whatever we choose at a later date. Jim seconded the motion, and a secret ballot showed 17 yes and 8 no for auctioning this off at the next meeting. Notices will be sent off, listing fair prices and the possible minimum bids that would be accepted.

Much more discussion was had. Still in the future, some would like us to keep in mind a club station (with it's "Elmers"), a potential 440 repeater, etc.

Jim Brooker, N9DBK, donated quite a bit of 50 ohm coax to the club (possibly

3-400 ft.??). This too will be auctioned off at the next meeting.

Walter Altus, WD9GCR, moved, and Jim Wiskow, KE9BC, seconded adjournment, and all were in favor.

ATTENDANCE

George Kroner	KE9PL
Dean Summers	KQØC
Charlie Burch	KA9UUK
Karl L. Olberg	W4ST
Jim Wiskow	KE9BC
Karl Simonson	KB9EQI
Joe Mazera	WA9SOQ
Phil Uehling	W9UP
Tom Gromacki	KB9BIS
Bill Wood	WB9VYI
Phillip Long	KA9RLI
Van Elston	WA9FIO
Jim Brooker	N9DBK
Hugh Barker	KAØEJZ
Bob Selbrede	KA9EZR
Scott Neader	KA9FOX
Larry Kapp	N9JFI
John Kass	WA9IZY
Art Osborn	WØJDC
Arby Boomer	WF9T
Gary Webb	N19V
Rick Williams	KV9U
Greg A. Miller	KA9FOZ
Walter Altus	WD9GCR
Jule Kish	KA9UJL
Luis Felipe Reyes	HJ5PDD/W
Dick Low	KØJYB
Feroz-Ghouse	N9FJL
Charles A. Ferries	W9TCW

Respectfully submitted:

Bill Wood, Secretary, R.A.R.C.

From the Public Information Coordinator

Many opportunities for good publicity for Amateur Radio come along every year, but there is probably no event more appropriate and appealing for media coverage than Field Day. Your club or group's Field Day score can even be increased by Field Day news coverage. Check the publicity portion of the Field Day rules in May QST.

You might be surprised at how easy it can be to get that press coverage. It begins with a news release, which should be sent to all media outlets (newspaper, radio, and television) in your area. The news release should cover, at the very least, the five "Ws": who, what, why, when, and where. To these, you might add a "how." The very basic news release, using the five "Ws" might read:

"The Babushka Amateur Radio Club (who) will be operating their Amateur Radio stations under simulated emergency conditions (what) on June 23 and 24 (when) at Greenwayneville Park (where) in Dave-

sumnerville, CT, using emergency power supplied by generators (how). The club will be taking part in an annual bi-national simulated emergency exercise sponsored by the national Amateur Radio organization, the American Radio Relay League (why)."

That's probably the most basic news release which could be written, but it's dull. Although a news release should never ramble on for pages, some embellishment is in order. Let's see what we can do to improve this story; we need to make it more appealing and interesting. Let's do it this way:

"Amateur Radio operators all across the United States and Canada will test their emergency communications skills under conditions which might be expected in an emergency on "Field Day" the weekend of June 23 and 24. Hams from the Babushka Amateur Radio Club will set up their equipment at Greenwayneville Park in Davesumnerville, CT, where they will operate their stations from 1:00 p.m. Saturday to 1:00 p.m. Sunday, using temporary antennas and power supplied by a generator.

"Radio Amateurs are well known for providing communications in emergency situations, such as during the Hurricane Hugo

disaster on the east coast and following the earthquake in San Francisco last year. The Amateurs furnish their personal equipment and their time free of charge to provide vital communications links for numerous disasters, large and small, all over the United States every year.

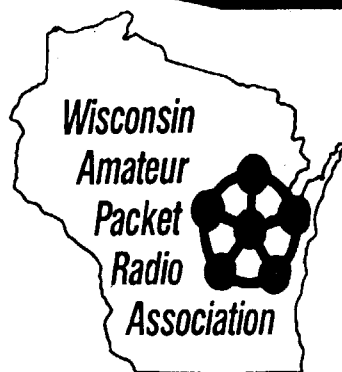
"Field Day is sponsored by the national organization of Amateur Radio, the American Radio Relay League, headquartered in Newington, CT. To encourage participation, Field Day is also an on-the-air contest, in which Amateur Radio clubs and groups contact as many other such groups and stations as possible.

"The public is invited to stop at the park and visit the Field Day operation."

That's better! It's more interesting, it's not too wordy, it promotes our hobby, and it reminds readers that we don't just "play" with our radios, that there is a very serious side to Amateur Radio, too.

If you will have someone at your site to explain the operation to visitors (you should!) put that in your news release. And, following your news release, be sure you invite the editor/news director to your site; let him/her know they are welcome.

- Jim Romelfanger, K9ZZ



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

c/o CARL SCHUMACHER, N9BYS
7740 EVERGREEN TERRACE
BURLINGTON, WI 53106

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

Control-G's in BBS Messages.....

Well, I generally don't censor bulletins-- for any reason-- (except obscenity!) but--

About 6:00 a.m. my PC started beeping. I figured something was seriously wrong, but when I went to the keyboard, everything was working fine. Since I was up anyway, I figured I'd read the new bulletins that came in overnight-- sure enough, one of them had control-Gs at the end, apparently in an attempt to grab attention. It did, I killed it!

The WORL1 BBS software I'm running beeps every time a control-G crosses the screen. I believe MSYS does the same thing. If you put a control-G in your bulletin, your local SYSOPs computer will beep:

- 1) When forwarding, every time that bulletin is transmitted. More than once, if he forwards through a digi or Net/Rom.
- 2) Every time he reads the bulletin himself.
- 3) Every time someone else reads the bulletin.
- 4) Every time another BBS in your area forwards that bulletin elsewhere.
- 5) Every time someone in the area reads that bulletin off a different BBS.

Moral of the story is, don't do it!

Doug - W9WI

MN/WI Routing Designator.....

I would like to propose that temporarily we establish a routing designator to handle news and updates regarding the proposed backbone link between the Twin Cities and Milwaukee. The problem is that if info is sent via the MNBBS route or RTWIS, the messages do not get forwarded to the other state. As you probably are aware, the RiverLAN Packet Association adopted a commitment to a backbone link between the Twin Cities and Milwaukee recently. The first assumption was that this link would be in the UHF band (430 Mhz) because that was the frequency being planned for in the Minneapolis/St. Paul area. SouthLAN (Southeastern Minnesota) has supported this idea as has RiverLAN (La Crosse area). In addition, at the RiverLAN conference, additional support was received from southern Wisconsin. BUT the problem is, we all need to keep each other updated on what the other groups and individuals are doing...as well as we need to have a system for input, i.e. suggestions, complaints, support, whatever.

I am suggesting a routing designator of WIMM ("women") to handle this information. In order

for it to work, we will need frequent updates on what is going on in your area as well as a continuing dialog on the progress of implementation etc. The purpose of the backbone is to remove BBS traffic from 145.01 and put in on a different band as well as perhaps go to a higher speed of data transfer.

Minnesota...Please replace the MNBBS routing designator with WIMM for messages of interstate interest, ie.- S ALL @ WIMN. Wisconsin...Please do the same for messages normally sent RTWIS. W9LZQ-BBS will assure that WIMN messages cross the state line.]

Kent - W9LZQ

New Upper-midwest Routing Code.....

DIST9 is a new bulletin route code intended to cover Wisconsin, Illinois, Indiana and nearby areas. The original motivation for this route code was to relieve the glut of "for sale" and "wanted" bulletins going to @ALLUSA and other national route codes. It looked like a crisis was coming (some would say it's already here); DIST9 was born out of an attempt to defuse some part of that crisis.

DIST9 is an intermediate step between statewide coverage (RTWIS, ALLIL, and ALLIND) and nationwide coverage (ALLUSA). It is not restricted to "for sale" and "wanted" bulletins. It simply allows you to target your intended audience with more precision.

DIST9 does not replace ALLUSA. If you have something of significance to amateur radio operators on packet radio EVERYWHERE in the USA, use ALLUSA. But please give serious thought to whether you couldn't get the job done just as well with a bulletin to "ALL @ DIST9".

If experience shows that DIST9 isn't worth using, it will fall into disuse and likely disappear. Right now, most sysops in WI, IL and IN are set up to support DIST9. Give it a try, and let me know what you think about it, good or bad ... all comments welcome.

By the way, the name DIST9 is derived from the FCC's ninth callsign district which covers (you guessed it) Wisconsin, Illinois & Indiana.

Jim - N9GIM

Optimize BBS Access.....

If you are tired of constant prompting: More?> by your local BBS and you would prefer an uninterrupted download, issue the command: X 0 to the BBS. This will permanently turn off the

"More?>" prompt. Zero turns off the function, any other number will insert the "More?>" at the number of lines you indicate.

If reading messages seems to take forever, try this command: XF which will force the BBS out of its default of one frame per packet and send two frames per packet, resulting in downloading files at almost twice the speed!

When you have gotten the hang of the command menu, issue the command: X to the BBS and the menu line will be replaced by the prompt only line: > . This reduces the data string the BBS has to send during each prompt and increases efficiency on crowded frequencies.

*** SAREX Packet Schedule.....

Here is the packet schedule for STS-35 following it's launch in June. All times are Mission Elapsed Time (MET) which means elapsed time after the shuttle leaves the launch pad, (ie.- the first scheduled time of operation will take place Day 0, 22 hours, 00 minutes after lift-off and will terminate Day 1, 10 hours, 20 minutes after lift-off).

Day 0 / 22:00	-	Day 1 / 10:20
Day 1 / 21:15	-	Day 2 / 08:35
Day 2 / 20:00	-	Day 3 / 07:55
Day 3 / 19:00	-	Day 4 / 06:40
Day 4 / 18:30	-	Day 5 / 05:45
Day 5 / 17:20	-	Day 6 / 05:50
Day 6 / 17:40	-	Day 7 / 05:35
Day 7 / 17:45	-	Day 8 / 04:45

STS-35 will be transmitting on 145.550 MHz and listening down .600. When attempting to contact the shuttle, connect to WA4SIR-1. DO NOT get the frequencies reversed or you will never hear it, much less connect to it. SAREX can connect to 9 stations at one time and will only connect to a particular callsign once, so if you make contact with SAREX, do not make further attempts for it will only cause unnecessary QRM to other station's signals. QSOs and stations heard lists will be transmitted in SAREX beacons at 2 minute intervals, so be sure to turn your MONITOR parameter ON in order to monitor all downlink signals.

SAREX has no logging capability, so it is up to ground stations to record the beacons in order to maintain a complete log. Help out by recording all beacons and send the info to ARRL via packet. Each pass should be sent separately with the message title displaying the date and time of reception.

Get your stopwatches ready, set,

Yellow Thunder Amateur Radio Club



K90DK
WB9FDZ

Art Kleefisch, W9WSS
Secretary
1014 5th Street
Baraboo, WI. 53913

The next meeting of the YTARC will be held on Thursday, June, 14, in room 14 of the Baraboo Civic Center. The meeting will start at 7:30 PM.

Minutes of YTARC May 16th meeting.

The May 16th 1990 meeting of the YTARC was called to order at 7:45 pm.

The following members were present:

Duane Grotophorst, KA9HLK	Loganville
Jim Decker, WB9UQT	Baraboo
Ken Ebnetter, K9EN	Portage
Harry Mayland, K9FFT	Baraboo
Harry Westlund, K9EHK	Baraboo
Gladys Westlund, guest	Baraboo
Art Kleefisch, W9WSS	Baraboo

The minutes of the last meeting were accepted as published in BSSS.

The Treasurers report was given as no change from last month.

The planned radio communications, for the Baraboo March of Dimes "Walk America" on Saturday May 12th, ran into some special problems. The Columbia County REACT people moved in and took over with their CB rigs. Jim Decker thought that the REACT group would ride the route and that we would handle the check-points.

On Saturday morning, the day of the Walkathon, Jim and his team of Hams found out that the check-points would only validate the walkers papers. They were not interested in a running record of walkers that passed through the check point.

Since no-one needed our communications we adjourned to a local restaurant to talk about how this happened, after being asked to furnish communications for this Walkathon.

Jim Decker attended several meetings with the "Walk America" committee so that they knew that Jim was planning to use Packet Radio to report check-ins from the check-points. Jim put in a lot of time and effort to put the Digital and Audio System together. He also had Tom Luck, WB9BPS, write a program to work with the Packet Radio system.

On Friday night, the night before the Walkathon, Jim got a call from the March of Dimes, informing him that he may not put the list of walkers into a computer data file. This wiped out all plans to use Packet Radio. The only part left of Jim's plan was the audio and the fate of this was explained in the previous paragraphs.

Phil Anderson, W9TP, informed Jim Decker, WB9UQT, that the Boy Scouts would like to have an operating Amateur Radio Station at the Sauk County Fair Grounds for the Circus Heritage Day Scout Jamboree on Saturday May 19th. I will contact Phil and work out the details with him.

Jim Decker also received a request for help

from the coordinators of Old Freedom Days. Jim is looking for volunteers to help with the communication# for their parade on Sunday May 27th.

Field Day plans will be discussed at the next meeting.

Ken, K9EN, was the Buck-nite winner. He flipped his 5 digital quarters and picked his own number.

The meeting was adjourned.

Art Kleefisch Secretary

YTARC BIRTHDAZE

Ken Ebnetter	K9EN	June	8
Harold Reif	KA9YQP	June	18
Harry Mayland	K9FFT	June	24

CLUB MEETINGS

(continued from page 3)

RACINE MEGACYCLE CLUB

Second Monday, 7:30 p.m., Red Cross Bldg., 4521 Taylor Ave., Racine, WI

RIVERLAND AMATEUR RADIO CLUB

First Tuesday - 7:30 p.m. - Onalaska Community Center, Onalaska WI.

ROCK RIVER RADIO CLUB

First Tuesday - 7:30 p.m. CST, 8:00 p.m. CDT - Dodge County Sheriff's Dept, 141 N. Main, Juneau WI. ARES net - 146.64 MHz., Monday 7:30 p.m. CST, 8:30 p.m. CDT. 7277 Khz., Saturday 10:30 a.m.

SHEBOYGAN COUNTY AMATEUR RADIO CLUB

Second Tuesday - 7:00 p.m. - Sheboygan Red Cross/Boy Scout Bldg., 2032 Erie Ave.

SOUTH MILWAUKEE AMATEUR RADIO CLUB

First Wednesday - Legion Post 434, Shepard Ave., Oak Creek WI. Auctions in March and October.

TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC) MEDFORD

Usually the 2nd Thursday of the month at 7:00 PM sharp. Usual location: emergency government meeting room, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Sts., Medford, WI. Talk-in on 147.75/15 or 145.27(-600) repeaters. Amateurs & guests are welcome. ARS Net, Wednesday nights at 8:30 PM on 147.75/15. For info contact: Rolland Walty, W9LEE, W4117 Hwy. 102, Westboro, WI 54490. (715) 427-3492

TRI-COUNTY AMATEUR RADIO CLUB

Second Sunday of each month. Meetings are held at 7:00 p.m., at the Trinity Lutheran Church, 314 Barrie, Fort Atkinson, WI.

WASHINGTON COUNTY AMATEUR RADIO CLUB

Tuesday: ARES/RACES - 7:30 p.m., club meeting - 8:00 p.m., Town of Polk Town Hall, Hwy. 60 and Scenic Dr. Net on 146.13/73 every Monday 7:30 p.m.

WATERTOWN AMATEUR RADIO CLUB

First Thursday of the month at 7:00 p.m., The Watertown Public Library, 100 S. Water St., Watertown, WI

WAUPACA AMATEUR RADIO CLUB

First Saturday in March, June, September and December.

WEST ALLIS RADIO AMATEUR CLUB

Second Tuesday - 8:00 p.m. - St. Francis Savings, 9330 W. Greenfield Ave.

WISCONSIN ASSOCIATION OF REPEATERS

Meetings are held Quarterly, with time and location to be announced. Repeater licensees, trustees, and sponsors are urged to attend W.A.R. meetings. All interested parties are welcome, as well.

The next meeting of the Wisconsin Association of Repeaters will be held on Saturday, June 9, 1990, at the Blue Top Motel & Supper Club, Stevens Point. The Blue Top is on Business 51 on the far south side of Stevens Point. Lunch will be at 12:00 with the meeting starting at 1:00 pm.

WISCONSIN VALLEY RADIO ASSOCIATION (WAUSAU)

First Tuesday - 7:30 p.m. - Location varies; info on 146.04/64, Wausau.

YELLOW THUNDER AMATEUR RADIO CLUB (BARABOO)

Days rotate: 1990 meeting dates:

Thu. Jun. 14, room 14; Fri. Jul. 10, room 14; Wed. Aug. 15, room 14; Thu. Sep. 13, room 14; Tue. Oct. 16, room 12; Wed. Nov. 14, room 14; Thu. Dec. 13, room 14.

All meeting at the Baraboo Civic Center, Baraboo, WI. Meetings start 7:30 p.m.

Let Badger State Smoke Signals know your club's meeting dates, and we will let our readers know of your meetings and activities. There may be Amateurs in your area interested in visiting.



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FOR SALE: QRP HW-8, Astron power supply, manual and key, \$185.00. Ed Malinowski, KA9MVG, Rte. 1, Box 121, Century Rd., Loyal, WI 54446.

FOR SALE: Pioneer component car stereo tuner, amplifier, AM/FM, cassette, top-of-the-line, \$90.00. JVC receiver, 125 watts per channel, graphic equalizer, the works, \$320.00. Sansui Stereo, 100 watts per channel, \$275.00. Trap guns: Browning Citori, \$810.00, Valmet over and unde, \$1100.00. Olympia Typewriter, \$330.00. 2-meter SSB transceives and 170 watt linear. 10-meter Uniden 2510, \$195.00. Kenwood AM Filter, fits many models, \$50.00. Kenwood PS-30 power supply, \$135.00. For further information on the above, call Dave, (414) 685-5018.

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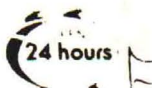
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